

WFX 10/15/96  
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**devon**

**ENERGY OPERATING CORPORATION**

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

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

SEP 27 1996

September 25, 1996

**Certified Mail Z 737 086 414**

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

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 6, 7, 18 & 19 of T17S - R31E, Eddy County, NM.

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

Sincerely,  
Devon Energy Corporation



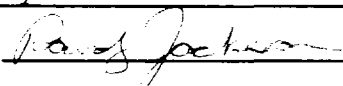
Charles H. Carleton  
Sr Engineering Technician

/chc  
enclosures

xc: Well File

2600  
2700  
3575  
3600

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ Yes ☐ No
- II. OPERATOR: Devon Energy Operating Corporation  
ADDRESS: 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102  
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: Randy Jackson TITLE: District Engineer  
SIGNATURE:  DATE: September 25, 1996
- \* 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**

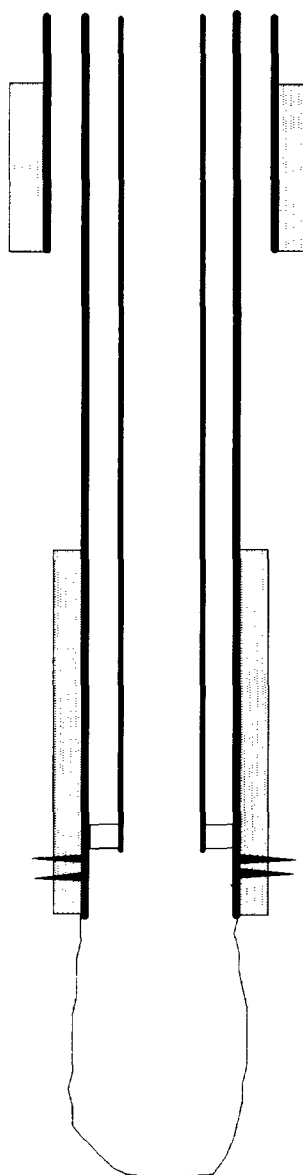
**III Well Data:**

- A. (1) J.L. Keel "A" #7  
1980'FSL & 660'FWL  
Section 7-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 32# H-40 @ 556'. Set with 60 sxs. TOC @ 270'(calculated)  
Hole Size = 10"
- Production Casing:  
7" 24# J-55 @ 3118'. Set with 100 sxs. TOC @ 1700'  
Hole Size = 8"
- (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'- 3575'(OA). **The injection interval is 2700'- 3575'.**
- (3) This well was originally drilled and completed as a Grayburg/San Andres 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 2700'- 3575' 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: J.L. KEEL "A" #7                   |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 1980'FSL & 660'FWL, SEC 7-T17S-R31E |            |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3715'; KB=UNK                   |            |                            | SPUD DATE: 06/07/45     |       | COMP DATE: 09/15/45 |           |
| API#: 30-015-05095                            |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 09/10/96      |           |
|   | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:                                       | 0' - 556'  | 8 5/8"                     | 32#                     |       |                     | 10"       |
| CASING:                                       | 0' - 3118' | 7"                         | 24#                     | J-55  |                     | 8"        |
| CASING:                                       |            |                            |                         |       |                     |           |
| TUBING:                                       | 0' - 2847' | 2 3/8"                     | 4.7#                    | J-55  | 8rd                 |           |
| TUBING:                                       |            |                            |                         |       |                     |           |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/60 SXS. TOC @ 270'(calc)

BAKER LOCK-SET PACKER @ 2847'  
PERFORATIONS: 2882'- 2892' (OA)  
7" CASING SET W/100 SXS. TOC @ 1700'

OPEN HOLE COMPLETION: 3118'- 3574'

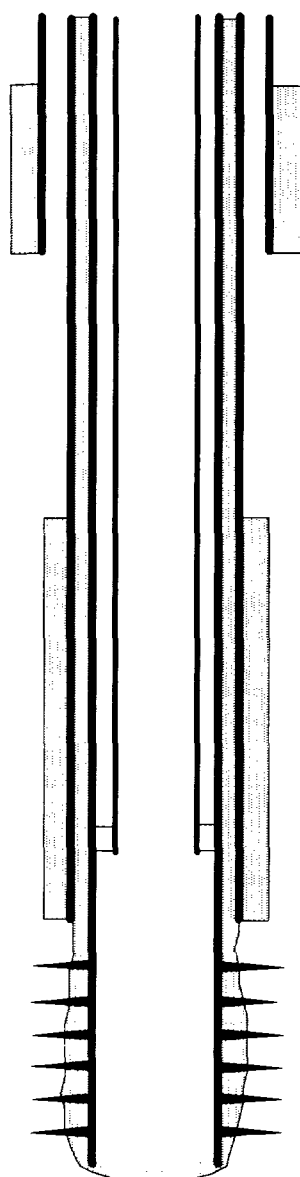
PBTD @ 3565'  
TD @ 3574'

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: J.L. KEEL "A" #7                   |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 1980'FSL & 660'FWL, SEC 7-T17S-R31E |            |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3715'; KB=UNK                   |            |                            | SPUD DATE: 06/07/45     |       | COMP DATE: 09/15/45 |           |
| API#: 30-015-05095                            |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 09/10/96      |           |
|   | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:                                       | 0' - 556'  | 8 5/8"                     | 32#                     |       |                     | 10"       |
| CASING:                                       | 0' - 3118' | 7"                         | 24#                     | J-55  |                     | 8"        |
| CASING:                                       | 0' - 3574' | 4 1/2"                     | 11.6#                   | J-55  | LT&C                | 6 1/4"    |
| TUBING:                                       | 0' - 2650' | 2 3/8"                     | 4.7#                    | J-55  | 8rd                 |           |
| TUBING:                                       |            |                            |                         |       |                     |           |



1

CURRENT



PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, SET W/60 SXS. TOC @ 270'(calc)

**INJECTION INTERVAL: 2700'- 3575'**

BAKER AD-1 PACKER @ 2650'

7" CASING SET W/100 SXS. TOC @ 1700'

PERFORATIONS: 2700'- 3575' (OA)

4 1/2" CASING, CEMENT TO SURFACE.  
TD @ 3574'

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:**

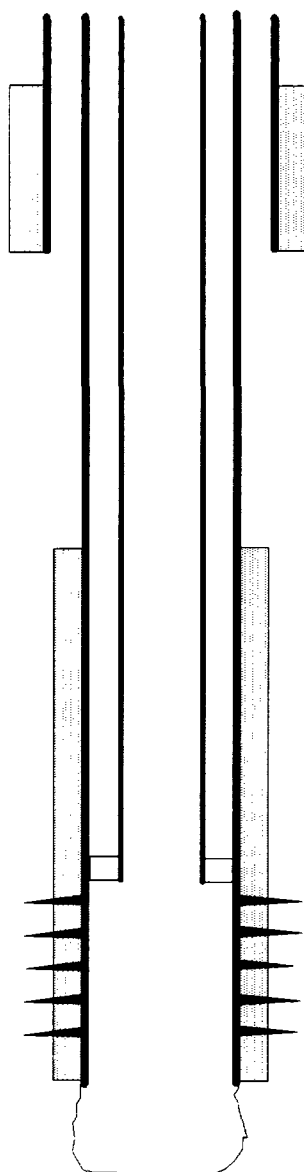
- A. (1) J.L. Keel "A" #14  
660'FNL & 519'FWL  
Section 7-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
10 3/4" 32.75# H-40 @ 587'. Set with 100 sxs. TOC @ 240' (calculated)  
Hole Size = 12 1/4" (estimated)
- Production Casing:  
5 1/2" 14# J-55 @ 3425'. Set with 125 sxs. TOC @ 2775' (Temp Survey)  
Hole Size = 9 5/8" (estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2650'.
- (4) 5 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'- 3425'(OA). **The injection interval is 2700'- 3502'.**
- (3) This well was originally drilled and completed as a Grayburg/San Andres 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 2700'- 3502' 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: J.L. KEEL "A" #14                 |  |                            | FIELD: GRAYBURG-JACKSON |                     |                |
| LOCATION: 660'FNL & 519'FWL, SEC 7-T17S-R31E |  |                            | COUNTY: EDDY            | STATE: NM           |                |
| ELEVATION: GL=3733'; KB=UNK                  |  |                            | SPUD DATE: 08/28/57     | COMP DATE: 11/05/57 |                |
| API#: 30-015-05102                           |  | PREPARED BY: C.H. CARLETON |                         |                     | DATE: 09/10/96 |

|         | DEPTH      | SIZE    | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|------------|---------|--------|-------|--------|-----------|
| CASING: | 0' - 587'  | 10 3/4" | 32.75# | H-40  |        | 12 1/4"   |
| CASING: | 0' - 3425' | 5 1/2"  | 14#    | J-55  |        | unk       |
| CASING: |            |         |        |       |        |           |
| TUBING: | 0' - 2827' | 2 3/8"  | 4.7#   | J-55  | 8rd    |           |
| TUBING: |            |         |        |       |        |           |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ 240'(calc)

PACKER @ 2827'

PERFORATIONS: 2888'- 3200' (OA)

5 1/2" CASING SET W/125 SXS. TOC @ 2775'(Temp Survey)

OPEN HOLE COMPLETION: 3425'- 3502'

TD @ 3502'

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

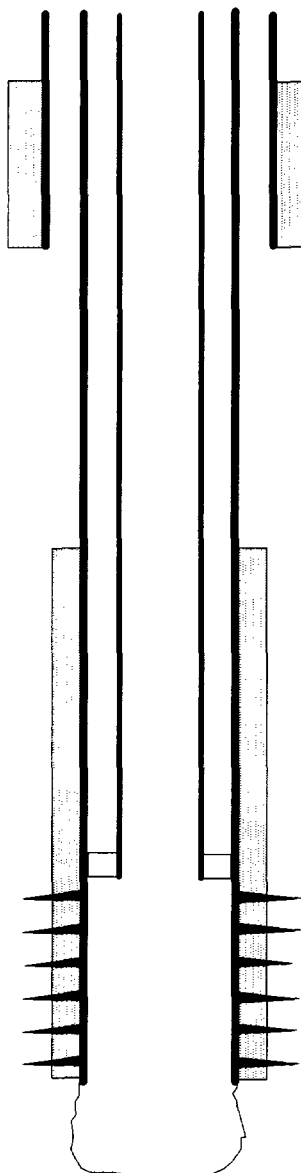


### III Well Data

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |                            |                         |                     |
|--|----------------------------|-------------------------|---------------------|
| WELL NAME: J.L. KEEL "A" #14                 |                            | FIELD: GRAYBURG-JACKSON |                     |
| LOCATION: 660'FNL & 519'FWL, SEC 7-T17S-R31E |                            | COUNTY: EDDY            | STATE: NM           |
| ELEVATION: GL=3733'; KB=UNK                  |                            | SPUD DATE: 08/28/57     | COMP DATE: 11/05/57 |
| API#: 30-015-05102                           | PREPARED BY: C.H. CARLETON |                         | DATE: 09/10/96      |

|         | DEPTH      | SIZE    | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|------------|---------|--------|-------|--------|-----------|
| CASING: | 0' - 587'  | 10 3/4" | 32.75# | H-40  |        | 12 1/4"   |
| CASING: | 0' - 3425' | 5 1/2"  | 14#    | J-55  |        | unk       |
| CASING: |            |         |        |       |        |           |
| TUBING: | 0' - 2650' | 2 3/8"  | 4.7#   | J-55  | 8rd    |           |
| TUBING: |            |         |        |       |        |           |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ 240'(calc)

INJECTION INTERVAL: 2700'- 3502'

BAKER AD-1 PACKER @ 2650'

PERFORATIONS: 2700'- 3425' (OA)

5 1/2" CASING SET W/125 SXS. TOC @ 2775'(Temp Survey)

OPEN HOLE COMPLETION: 3425'- 3502'

TD @ 3502'

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**

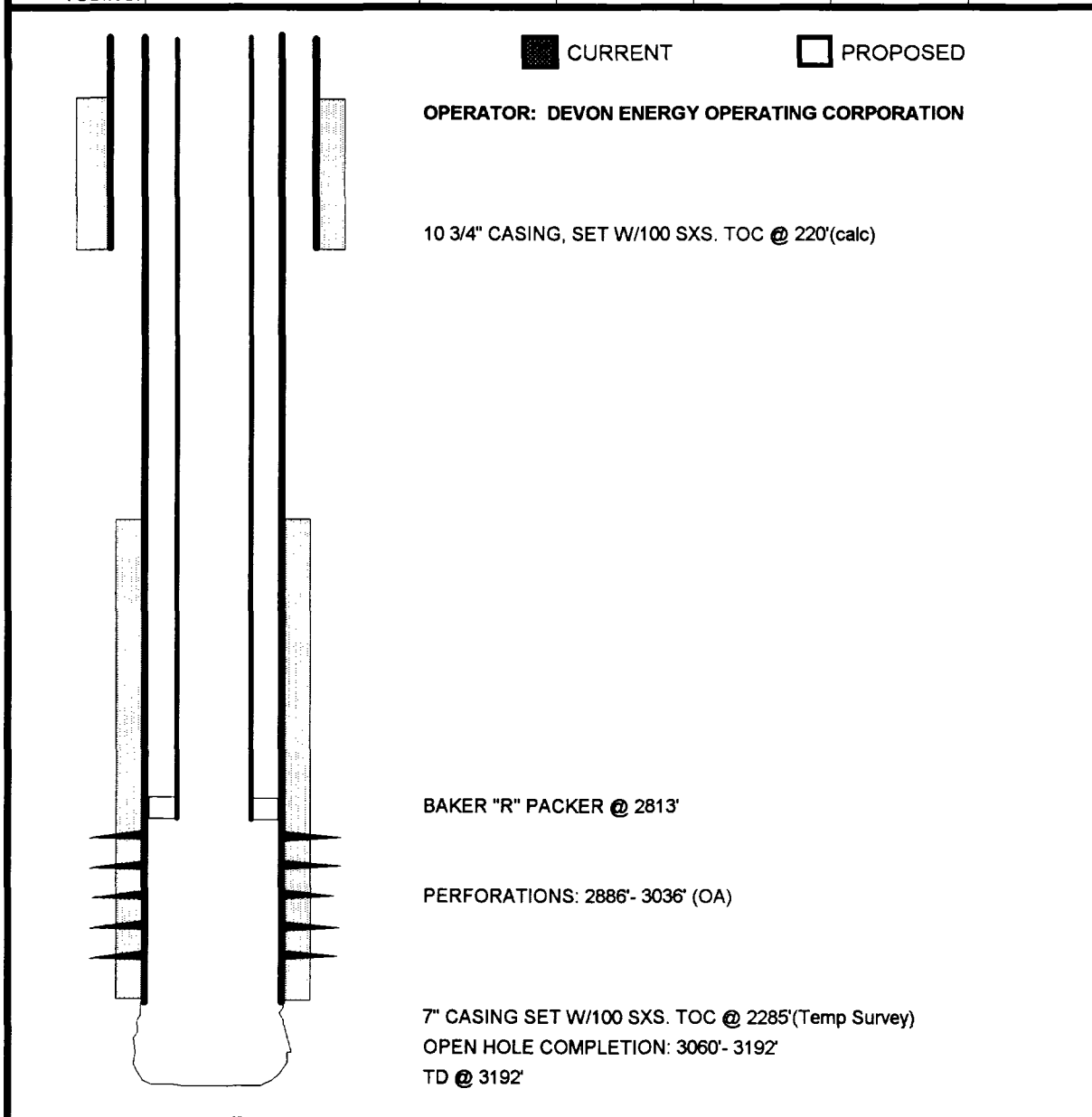
**III Well Data:**

- A. (1) J.L. Keel "B" #25  
1980'FSL & 517'FWL  
Section 6-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
10 3/4" 32.75# H-40 @ 567'. Set with 100 sxs. TOC @ 220' (calculated)  
Hole Size = 12 1/4" (estimated)
- Production Casing:  
7" 20# J-55 @ 3060'. Set with 100 sxs. TOC @ 2285' (Temp Survey)  
Hole Size = 8 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'- 3600'(OA). **The injection interval is 2700'- 3600'.**
- (3) This well was originally drilled and completed as a Grayburg/San Andres 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 2700'- 3600' 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: J.L. KEEL "B" #25                  |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 1980'FSL & 517'FWL, SEC 6-T17S-R31E |            |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3728'; KB=UNK                   |            |                            | SPUD DATE: 04/07/57     |       | COMP DATE: 06/11/57 |           |
| API#: 30-015-05088                            |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 09/10/96      |           |
|   | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:                                       | 0' - 567'  | 10 3/4"                    | 32.75#                  | H-40  |                     | 12 1/4"   |
| CASING:                                       | 0' - 3060' | 7"                         | 20#                     | J-55  |                     | 8 1/4"    |
| CASING:                                       |            |                            |                         |       |                     |           |
| TUBING:                                       | 0' - 2813' | 2 3/8"                     | 4.7#                    | J-55  | 8rd                 |           |
| TUBING:                                       |            |                            |                         |       |                     |           |



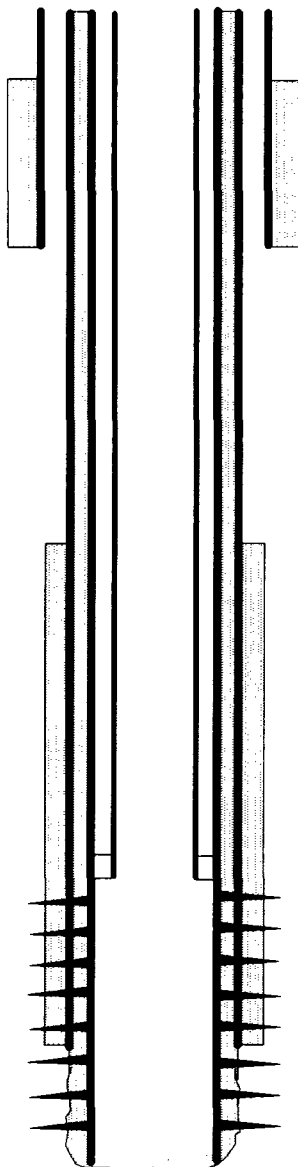
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data

#### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|   |                            |                         |                     |
|---|----------------------------|-------------------------|---------------------|
| WELL NAME: J.L. KEEL "B" #25                  |                            | FIELD: GRAYBURG-JACKSON |                     |
| LOCATION: 1980'FSL & 517'FWL, SEC 6-T17S-R31E |                            | COUNTY: EDDY            | STATE: NM           |
| ELEVATION: GL=3728'; KB=UNK                   |                            | SPUD DATE: 04/07/57     | COMP DATE: 06/11/57 |
| API#: 30-015-05088                            | PREPARED BY: C.H. CARLETON |                         | DATE: 09/10/96      |

|         | DEPTH      | SIZE    | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|------------|---------|--------|-------|--------|-----------|
| CASING: | 0' - 567'  | 10 3/4" | 32.75# | H-40  |        | 12 1/4"   |
| CASING: | 0' - 3060' | 7"      | 20#    | J-55  |        | 8 1/4"    |
| CASING: | 0' - 3192' | 4 1/2"  | 11.6#  | J-55  | LT&C   | 6 1/4"    |
| TUBING: | 0' - 2650' | 2 3/8"  | 4.7#   | J-55  | 8rd    |           |
| TUBING: |            |         |        |       |        |           |



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ 220'(calc)

INJECTION INTERVAL: 2700'- 3600'

BAKER AD-1 PACKER @ 2650'

PERFORATIONS: 2700'- 3600' (OA)

7" CASING SET W/100 SXS. TOC @ 2285'(Temp Survey)

4 1/2" CASING, CEMENT TO SURFACE.  
TD @ 3600'

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) C.A. Russell #4  
440'FNL & 440'FWL  
Section 18-T17S-R31E  
Eddy County, NM

- (2) Surface Casing:  
12 1/2" @ 530'. Set with 25 sxs. TOC @ 470' (calculated)  
Hole Size = 14 3/4" (estimated)

Intermediate Casing:  
10" @ 1399'. Set with 30 sxs. TOC @ 1120' (calculated)  
Hole Size = 10 5/8" (estimated)

Production Casing:  
8 1/4" @ 2943'. Set with 50 sxs. TOC @ 2370' (calculated)  
Hole Size = 8 3/4" (estimated)

- (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 2740'- 3537'(OA). **The injection interval is 2740'- 3537'.**

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

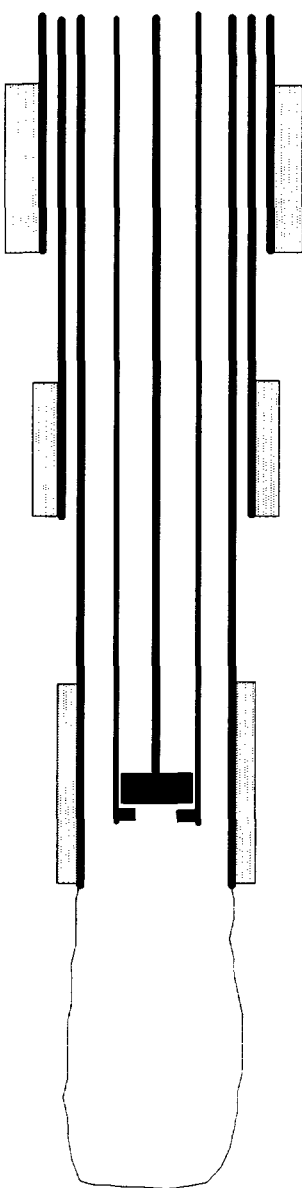
- (4) Additional perforations may be added in the 2740'- 3537' interval.

- (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<br>WELLBORE SCHEMATIC |            |                            |                         |       |                     |           |
|--|------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: C.A. RUSSELL #4                               |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 440'FNL & 440'FWL, SEC 18-T17S-R31E            |            |                            | COUNTY: EDDY            |       | STATE: NM           |           |
| ELEVATION: GL=3774'; KB=UNK                              |            |                            | SPUD DATE: 05/25/29     |       | COMP DATE: 08/21/29 |           |
| API#: 30-015-05217                                       |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 09/10/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:  | 0' - 530'  | 12 1/2"                    |                         |       |                     | unk       |
| CASING:  | 0' - 1399' | 10"                        |                         |       |                     | unk       |
| CASING:  | 0' - 2943' | 8 1/4"                     |                         |       |                     | unk       |
| TUBING:  | 0' - 2500' | 2 7/8"                     | 6.5#                    | J-55  | EUE 8rd             |           |
| TUBING:  |            |                            |                         |       |                     |           |



☒ CURRENT
☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

12 1/2" CASING, SET W/25 SXS. TOC @ 470'(calc)

10" CASING, SET W/30 SXS. TOC @ 1120'(calc)

SEAT NIPPLE @ 2500'(estimated)

8 1/4" CASING SET W/50 SXS. TOC @ 2370'(calc)

OPEN HOLE COMPLETION: 2943'- 3537'

TD @ 3537'

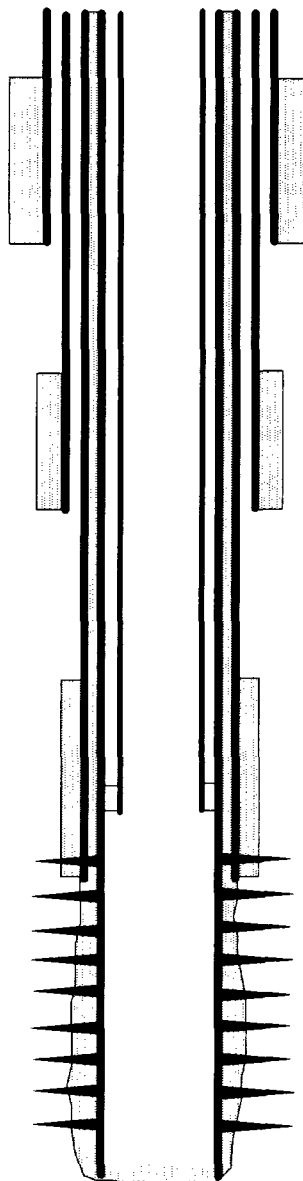
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|   |                            |                         |                     |
|---|----------------------------|-------------------------|---------------------|
| WELL NAME: C.A. RUSSELL #4                    |                            | FIELD: GRAYBURG-JACKSON |                     |
| LOCATION: 440'FNL & 440'FWL, SEC 18-T17S-R31E |                            | COUNTY: EDDY            | STATE: NM           |
| ELEVATION: GL=3774'; KB=UNK                   |                            | SPUD DATE: 05/25/29     | COMP DATE: 08/21/29 |
| API#: 30-015-05217                            | PREPARED BY: C.H. CARLETON |                         | DATE: 09/10/96      |

|         | DEPTH      | SIZE    | WEIGHT | GRADE | THREAD  | HOLE SIZE |
|---------|------------|---------|--------|-------|---------|-----------|
| CASING: | 0' - 530'  | 12 1/2" |        |       |         | unk       |
| CASING: | 0' - 1399' | 10"     |        |       |         | unk       |
| CASING: | 0' - 2943' | 8 1/4"  |        |       |         | unk       |
| CASING: | 0' - 3537' | 4 1/2"  | 11.6#  | J-55  | LT&C    | 6 3/4"    |
| TUBING: | 0' - 2700' | 2 7/8"  | 6.5#   | J-55  | EUE 8rd |           |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

12 1/2" CASING, SET W/25 SXS. TOC @ 470'(calc)

10" CASING, SET W/30 SXS. TOC @ 1120'(calc)

**INJECTION INTERVAL: 2740'- 3537'**

BAKER AD-1 PACKER @ 2700'

8 1/4" CASING SET W/50 SXS. TOC @ 2370'(calc)

PERFORATIONS: 2740'- 3537'(OA)

4 1/2" CASING, CEMENT TO SURFACE.

TD @ 3537'

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:**

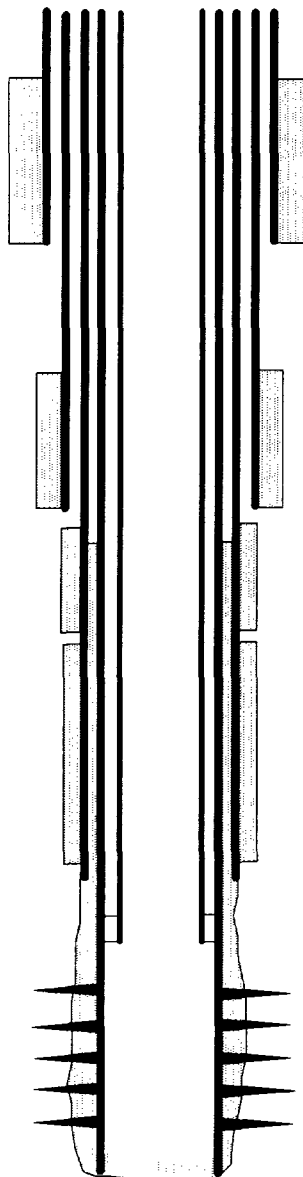
- A. (1) Turner "A" #2  
2220'FSL & 440'FWL  
Section 18-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
12 1/2" @ 335'. Set with 25 sxs. TOC @ 270' (calculated)  
Hole Size = 14 3/4" (estimated)
- Intermediate Casing:  
10" @ 1384'. Set with 25 sxs. TOC @ 1240' (calculated)  
Hole Size = 11" (estimated)
- 6 5/8" @ 3174'. Casing was landed, not cemented.  
Hole Size = 9 7/8" (estimated)
- Production Casing:  
4 1/2" 9.5# Midco-50 @ 3521'. Set with 150 sxs. TOC @ 1520' (CBL)  
Hole Size = 6 1/4"
- (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'- 3525'(OA). **The injection interval is 2650'- 3525'.**
- (3) This well was originally drilled and completed as a Grayburg/San Andres 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 2650'- 3525' 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 "A" #2                       |            |                            | FIELD: GRAYBURG-JACKSON |          |                     |           |
| LOCATION: 2220'FSL & 440'FWL, SEC 18-T17S-R31E |            |                            | COUNTY: EDDY            |          |                     | STATE: NM |
| ELEVATION: GL=3740'; KB=UNK                    |            |                            | SPUD DATE: 09/14/29     |          | COMP DATE: 02/05/30 |           |
| API#: 30-015-05227                             |            | PREPARED BY: C.H. CARLETON |                         |          | DATE: 09/10/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE    | THREAD              | HOLE SIZE |
| CASING:  | 0' - 335'  | 12 1/2"                    |                         |          |                     | unk       |
| CASING:  | 0' - 1384' | 10"                        |                         |          |                     | unk       |
| CASING:  | 0' - 3174' | 6 5/8"                     |                         |          |                     | unk       |
| CASING:  | 0' - 3521' | 4 1/2"                     | 9.5#                    | MIDCO-50 | ST&C                | 6 1/4"    |
| TUBING:  | 0' - 3287' | 2 3/8"                     | 4.7#                    | J-55     | EUE 8rd             |           |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

12 1/2" CASING, SET W/25 SXS. TOC @ 270'(calc)

10" CASING, SET W/25 SXS. TOC @ 1240'(calc)

PERFORATE & SQUEEZE 1928'- 1929' W/200 SXS. TOC @ 1420'

PERFORATE & SQUEEZE 3135'- 3136' W/200 SXS. TOC @ 1950'

6 5/8" CASING - LANDED, NOT CEMENTED

PERFORATE & SQUEEZE 3184'- 3186' W/50 SXS

PACKER @ 3287'

PERFORATIONS: 3378'- 3498'(OA)

PBTD @ 3503'

4 1/2" CASING SET W/150 SXS. TOC @ 1520'(CBL)

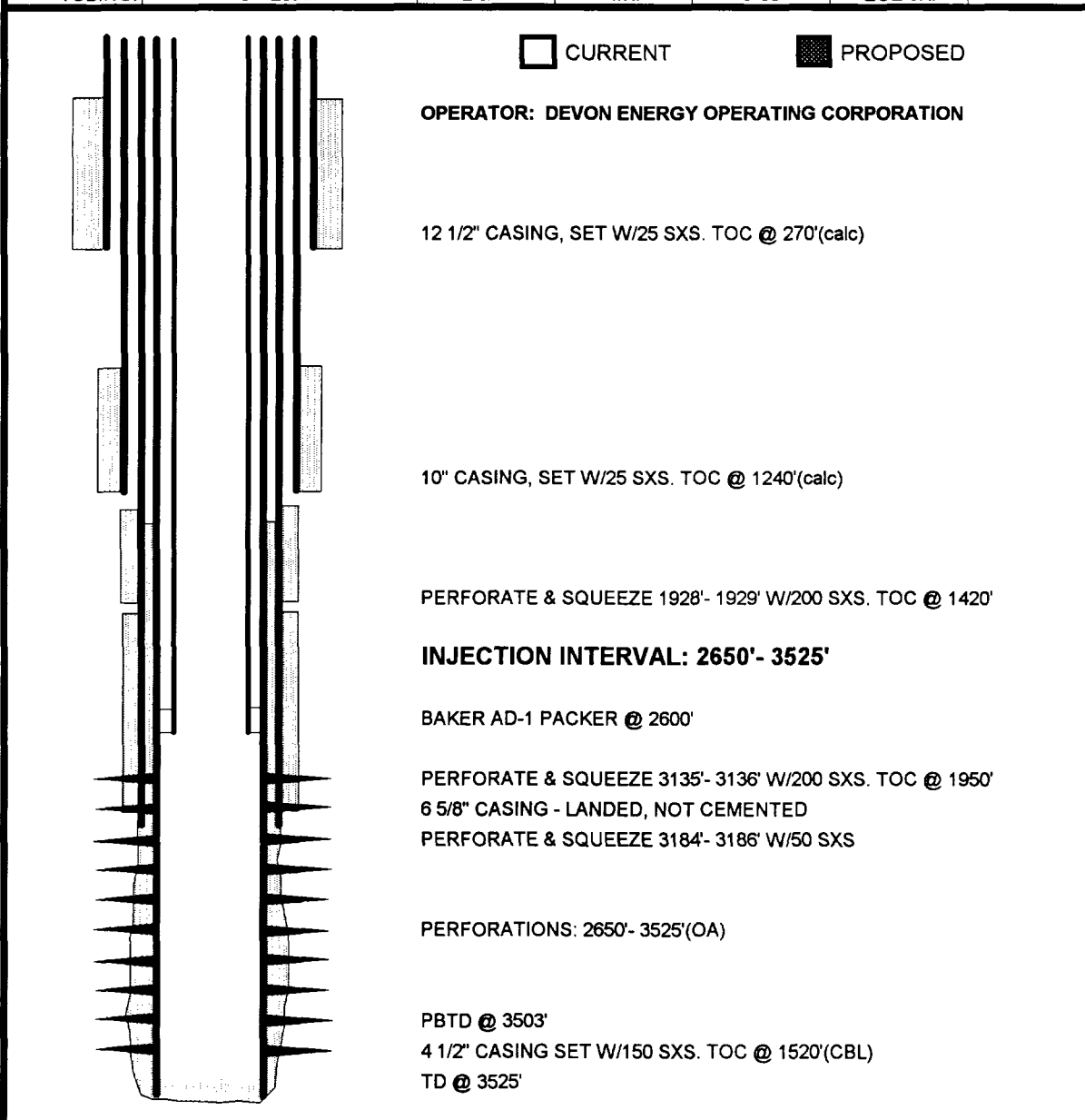
TD @ 3525'

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 "A" #2                       |            |                            | FIELD: GRAYBURG-JACKSON |          |                     |           |
| LOCATION: 2220'FSL & 440'FWL, SEC 18-T17S-R31E |            |                            | COUNTY: EDDY            |          |                     | STATE: NM |
| ELEVATION: GL=3740'; KB=UNK                    |            |                            | SPUD DATE: 09/14/29     |          | COMP DATE: 02/05/30 |           |
| API#: 30-015-05227                             |            | PREPARED BY: C.H. CARLETON |                         |          | DATE: 09/10/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE    | THREAD              | HOLE SIZE |
| CASING:  | 0' - 335'  | 12 1/2"                    |                         |          |                     | unk       |
| CASING:  | 0' - 1384' | 10"                        |                         |          |                     | unk       |
| CASING:  | 0' - 3174' | 6 5/8"                     |                         |          |                     | unk       |
| CASING:  | 0' - 3521' | 4 1/2"                     | 9.5#                    | MIDCO-50 | ST&C                | 6 1/4"    |
| TUBING:  | 0' - 2600' | 2 3/8"                     | 4.7#                    | J-55     | EUE 8rd             |           |



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**

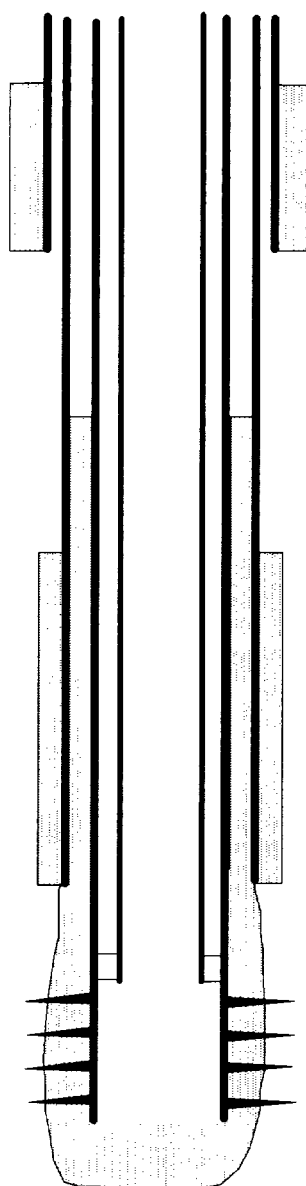
**III Well Data:**

- A. (1) Turner "A" #5  
330'FNL & 660'FWL  
Section 19-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 32# @ 550'. Set with 50 sxs. TOC @ 310' (calculated)  
Hole Size = 10" (estimated)
- Intermediate Casing:  
7" 24# @ 3014'. Set with 100 sxs. TOC @ 1690' (calculated)  
Hole Size = 7 5/8" (estimated)
- Production Casing:  
4 1/2" 9.5# Midco-50 @ 3498'. Set with 200 sxs. TOC @ 1020' (Temp Survey)  
Hole Size = 6"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2550'.
- (4) 4 1/2" Baker AD-1 tension packer set at 2550'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2600'- 3518'(OA). **The injection interval is 3600'- 3518'.**
- (3) This well was originally drilled and completed as a Grayburg/San Andres 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 2600'- 3518' 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 "A" #5                      |            |                            | FIELD: GRAYBURG-JACKSON |          |                     |           |
| LOCATION: 330'FNL & 660'FWL, SEC 19-T17S-R31E |            |                            | COUNTY: EDDY            |          |                     | STATE: NM |
| ELEVATION: GL=3733'; KB=UNK                   |            |                            | SPUD DATE: 07/20/39     |          | COMP DATE: 09/28/39 |           |
| API#: 30-015-05234                            |            | PREPARED BY: C.H. CARLETON |                         |          | DATE: 09/10/96      |           |
|   | DEPTH      | SIZE                       | WEIGHT                  | GRADE    | THREAD              | HOLE SIZE |
| CASING:                                       | 0' - 550'  | 8 5/8"                     | 32#                     |          |                     | unk       |
| CASING:                                       | 0' - 3014' | 7"                         | 24#                     |          |                     | unk       |
| CASING:                                       | 0' - 3498' | 4 1/2"                     | 9.5#                    | MIDCO-50 | ST&C                | 6"        |
| TUBING:                                       | 0' - 3269' | 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 @ 310'(calc)

7" CASING, SET W/100 SXS. TOC @ 1690'(calc)

JOHNSON 101-S PACKER @ 3269'

PERFORATIONS: 3364'- 3489'

4 1/2" CASING SET W/200 SXS. TOC @ 1020'(Temp Survey)

PBTD @ 3499'

TD @ 3518'

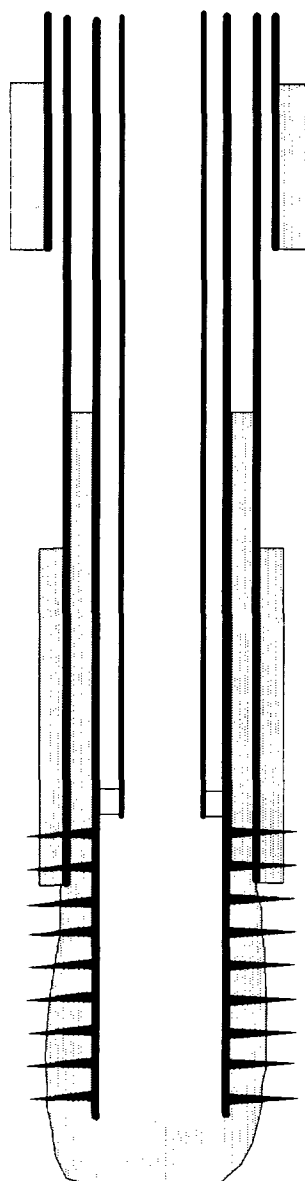
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|   |                            |                         |                     |                |
|---|----------------------------|-------------------------|---------------------|----------------|
| WELL NAME: TURNER "A" #5                      |                            | FIELD: GRAYBURG-JACKSON |                     |                |
| LOCATION: 330'FNL & 660'FWL, SEC 19-T17S-R31E |                            | COUNTY: EDDY            | STATE: NM           |                |
| ELEVATION: GL=3733'; KB=UNK                   |                            | SPUD DATE: 07/20/39     | COMP DATE: 09/28/39 |                |
| API#: 30-015-05234                            | PREPARED BY: C.H. CARLETON |                         |                     | DATE: 09/10/96 |

|         | DEPTH      | SIZE   | WEIGHT | GRADE    | THREAD  | HOLE SIZE |
|---------|------------|--------|--------|----------|---------|-----------|
| CASING: | 0' - 550'  | 8 5/8" | 32#    |          |         | unk       |
| CASING: | 0' - 3014' | 7"     | 24#    |          |         | unk       |
| CASING: | 0' - 3498' | 4 1/2" | 9.5#   | MIDCO-50 | ST&C    | 6"        |
| TUBING: | 0' - 2550' | 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 @ 310'(calc)

INJECTION INTERVAL: 2600'- 3518'

BAKER AD-1 PACKER @ 2550'

7" CASING, SET W/100 SXS. TOC @ 1690'(calc)

PERFORATIONS: 2600'- 3518'(OA)

4 1/2" CASING SET W/200 SXS. TOC @ 1020'(Temp Survey)

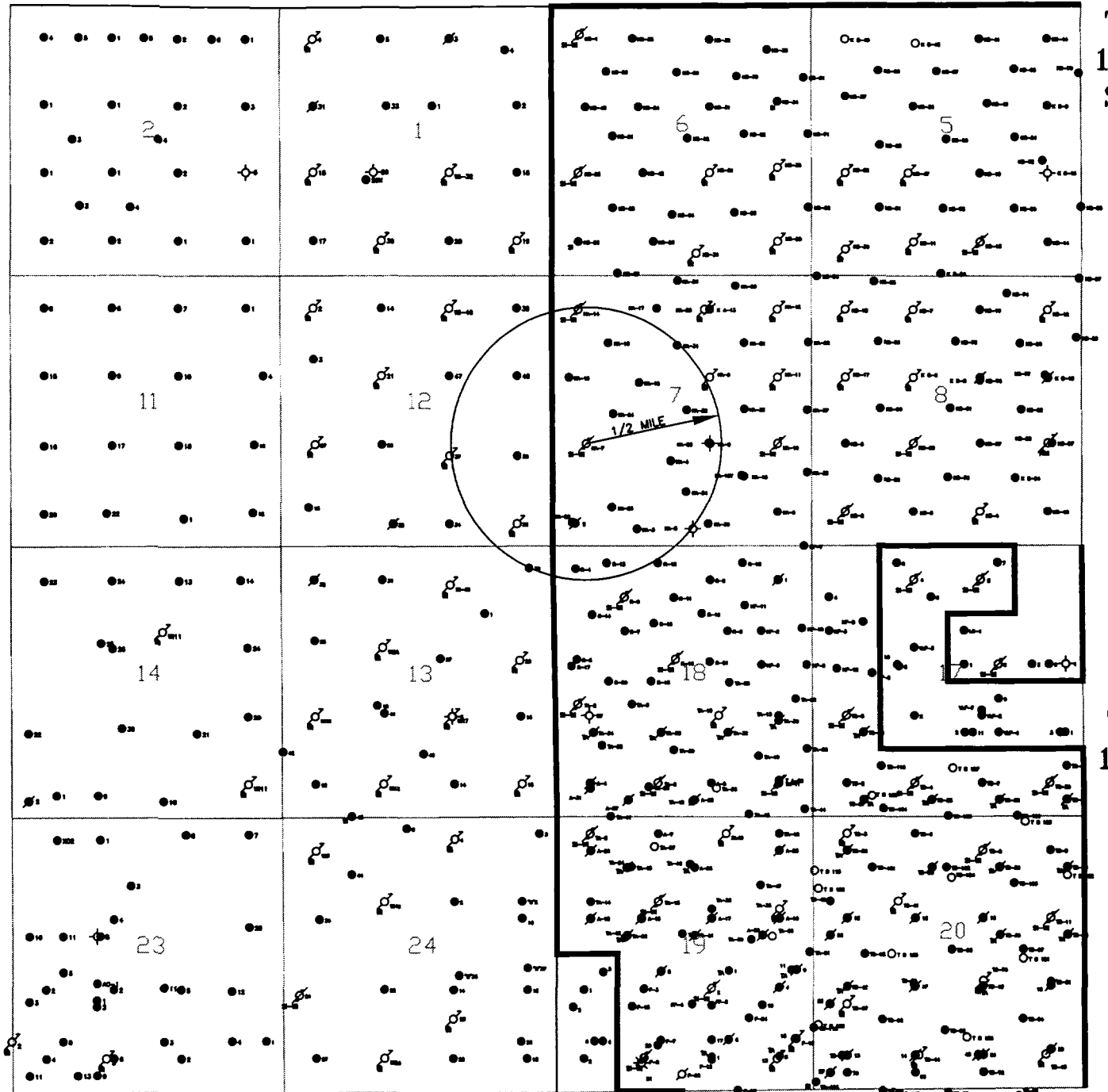
PBTD @ 3499'

TD @ 3518'

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

R 31 E

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devon

GRAYBURG-JACKSON AREA  
EDDY COUNTY, NEW MEXICO

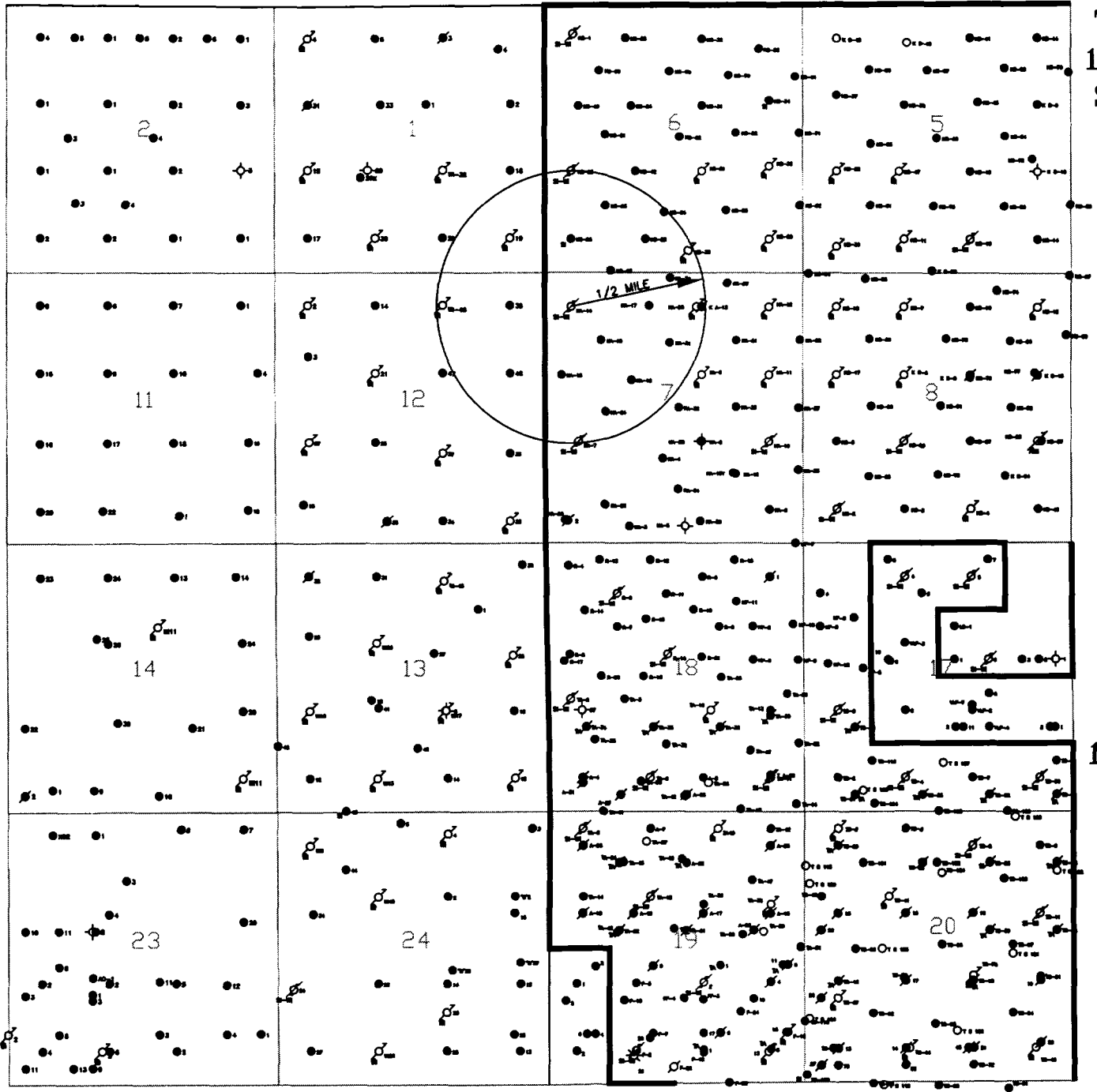
J.L.KEEL "A" #7

REELA-7

1000 0 1000 2000 3000 4000  
Scale in Feet  
CHC 8/98

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| AREA-14 |
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**devon**

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

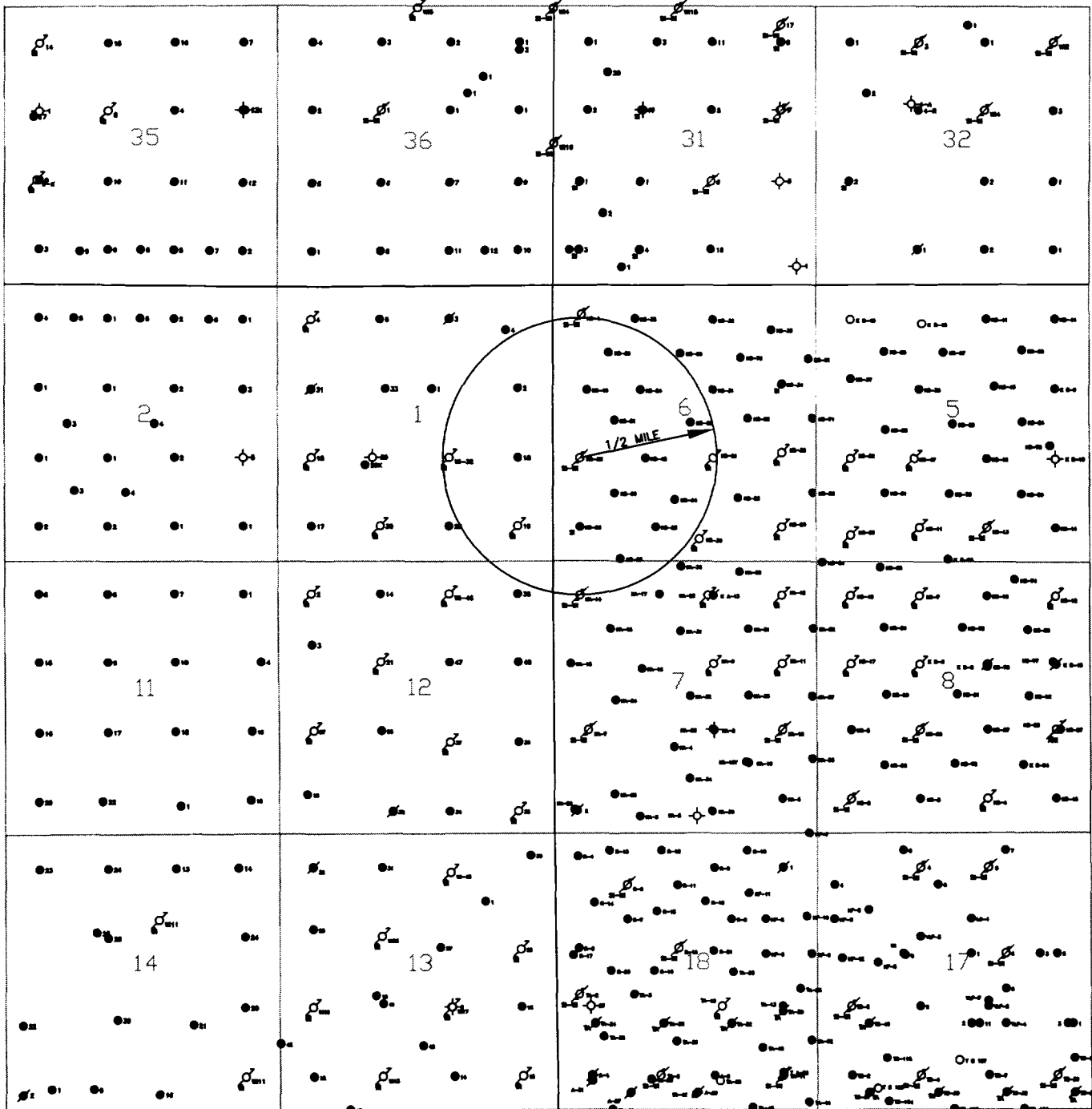
J.L. KEEL "A" #14

Scale in Feet  
1000 0 1000 2000 3000 4000

CHC 5/96

R 31 E

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**devon**

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

J.L. KEEL "B" #25

Scale in Feet  
1000 0 1000 2000 3000 4000

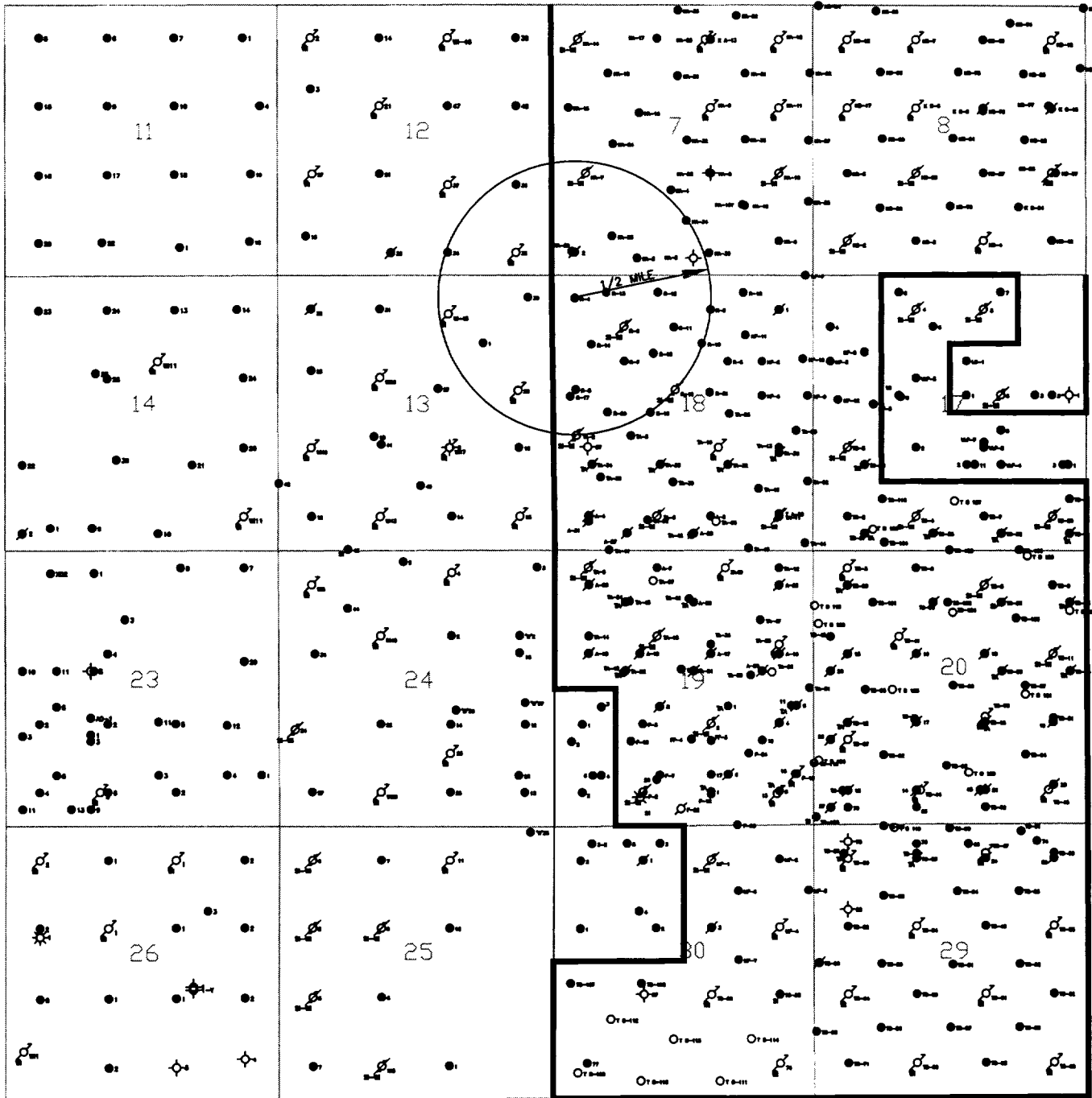
CHC 9/98

|           |  |
|-----------|--|
| KEEL-B#25 |  |
|           |  |
|           |  |
|           |  |

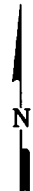


R 31 E

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devon

GRAYBURG-JACKSON AREA  
EDDY COUNTY, NEW MEXICO

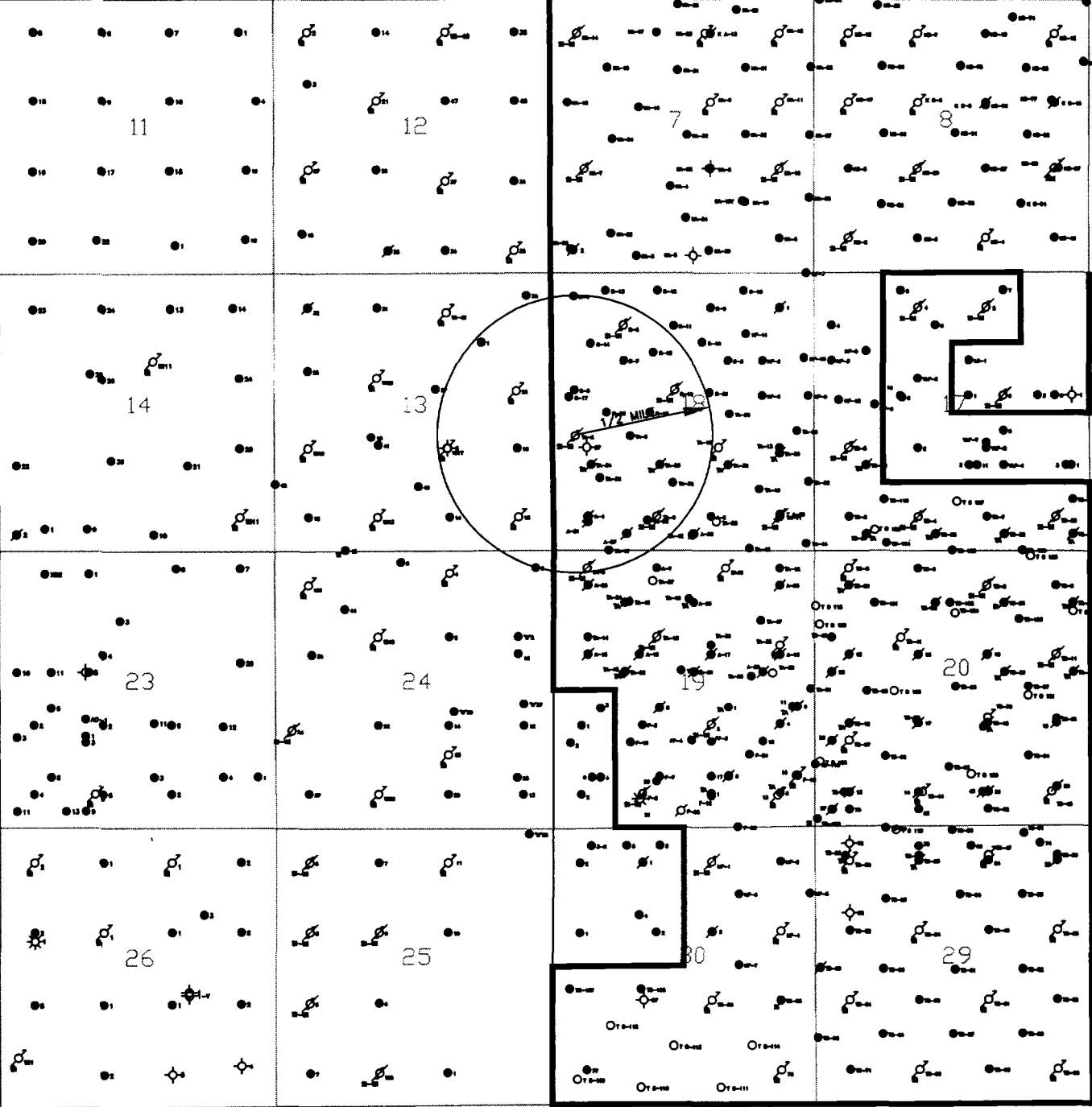
C.A. RUSSELL #4

RUSSEL-4

Scale in Feet  
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CHC 9/98

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**devon**

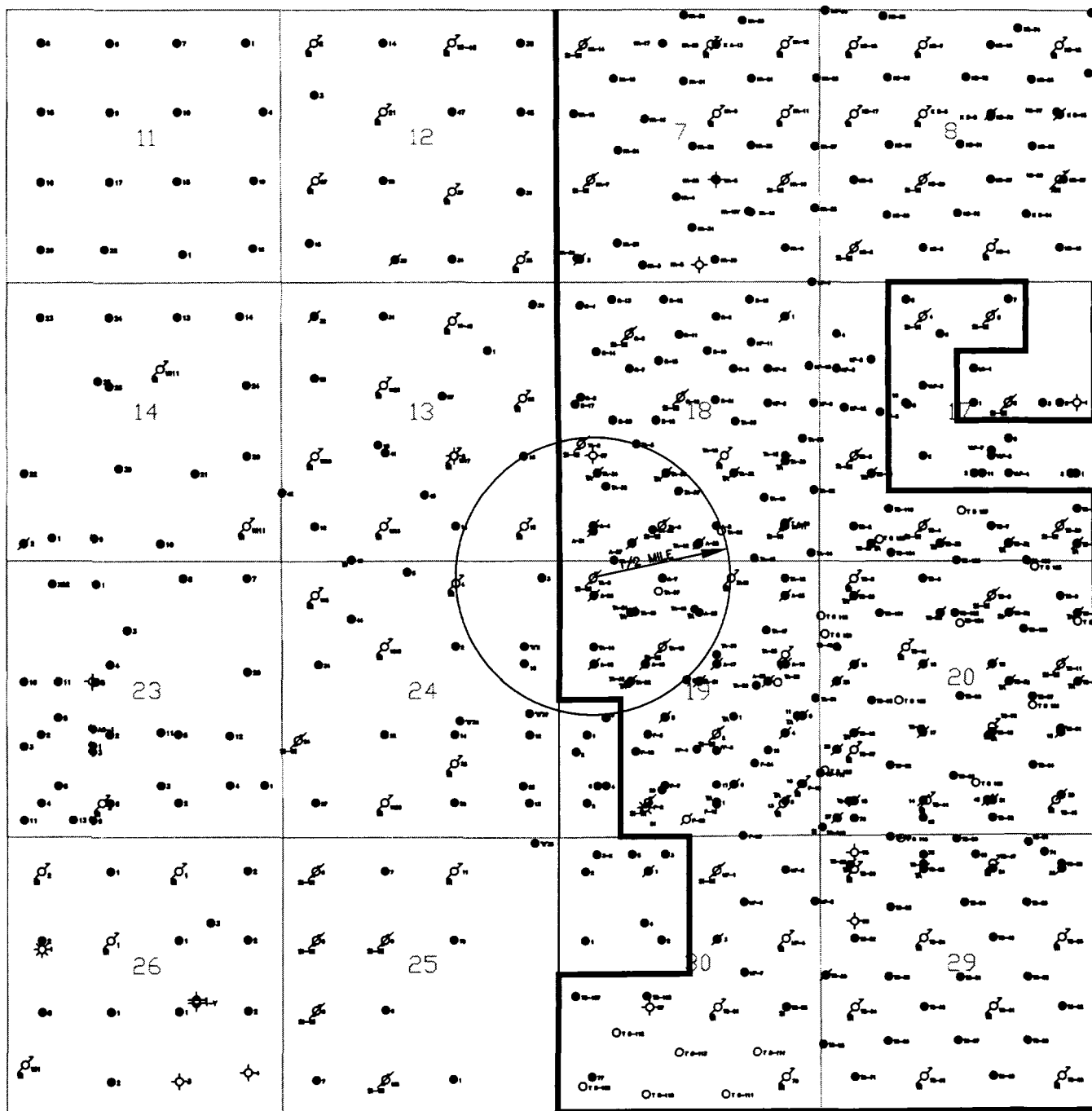
**GRAYBURG-JACKSON AREA**  
EDDY COUNTY, NEW MEXICO

**TURNER "A" #2**

Scale in Feet  
1000 0 1000 2000 3000 4000  
CHC 8/98

R 31 E

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17  
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*devon*

GRAYBURG-JACKSON AREA  
EDDY COUNTY, NEW MEXICO

TURNER "A" #5

|       |  |
|-------|--|
| 1-A-5 |  |
|       |  |
|       |  |
|       |  |

Scale in Feet  
1000 0 1000 2000 3000 4000  
CHC 8/98

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

| WELL NAME         | LOCATION     | OPERATOR           | STATUS     | REMARKS             |
|-------------------|--------------|--------------------|------------|---------------------|
| J.L. Keel "A" #2  | 7-T17S-R31E  | Devon Energy Corp. | P&A'd      |                     |
| J.L. Keel "A" #3  | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #4  | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #5  | 7-T17S-R31E  | Devon Energy Corp. | P&A'd      |                     |
| J.L. Keel "A" #7  | 7-T17S-R31E  | Devon Energy Corp. | Shutin WIW | Return to injection |
| J.L. Keel "A" #8  | 7-T17S-R31E  | Devon Energy Corp. | P&A'd      |                     |
| J.L. Keel "A" #9  | 7-T17S-R31E  | Devon Energy Corp. | Active WIW |                     |
| J.L. Keel "A" #13 | 7-T17S-R31E  | Devon Energy Corp. | P&A'd      |                     |
| J.L. Keel "A" #14 | 7-T17S-R31E  | Devon Energy Corp. | Active WIW | Return to injection |
| J.L. Keel "A" #15 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #16 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #17 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #18 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #23 | 7-T17S-R31E  | Devon Energy Corp. | Active WIW |                     |
| J.L. Keel "A" #24 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #25 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #28 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #29 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #31 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #32 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #34 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "A" #36 | 7-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #1  | 6-T17S-R31E  | Devon Energy Corp. | Active WIW |                     |
| J.L. Keel "B" #21 | 6-T17S-R31E  | Devon Energy Corp. | Active WIW |                     |
| J.L. Keel "B" #23 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #24 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #25 | 6-T17S-R31E  | Devon Energy Corp. | Shutin WIW | Return to injection |
| J.L. Keel "B" #26 | 6-T17S-R31E  | Devon Energy Corp. | TA'd       |                     |
| J.L. Keel "B" #30 | 6-T17S-R31E  | Devon Energy Corp. | Active WIW |                     |
| J.L. Keel "B" #40 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #42 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #59 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #63 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #64 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #65 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| J.L. Keel "B" #81 | 6-T17S-R31E  | Devon Energy Corp. | Active Oil |                     |
| C.A. Russell #4   | 18-T17S-R31E | Devon Energy Corp. | Active Oil | Convert to WIW      |
| C.A. Russell #5   | 18-T17S-R31E | Devon Energy Corp. | Active Oil |                     |
| C.A. Russell #6   | 18-T17S-R31E | Devon Energy Corp. | Shutin WIW |                     |
| C.A. Russell #7   | 18-T17S-R31E | Devon Energy Corp. | Active Oil |                     |
| C.A. Russell #9   | 18-T17S-R31E | Devon Energy Corp. | Active Oil |                     |
| C.A. Russell #11  | 18-T17S-R31E | Devon Energy Corp. | Active Oil |                     |
| Turner "A" #2     | 18-T17S-R31E | Devon Energy Corp. | Shutin WIW | Return to injection |
| Turner "A" #3     | 18-T17S-R31E | Devon Energy Corp. | Active Oil |                     |
| Turner "A" #4     | 18-T17S-R31E | Devon Energy Corp. | P&A'd      |                     |
| Turner "A" #5     | 19-T17S-R31E | Devon Energy Corp. | Shutin WIW | Return to injection |
| Turner "A" #6     | 18-T17S-R31E | Devon Energy Corp. | Shutin WIW |                     |
| Turner "A" #7     | 19-T17S-R31E | Devon Energy Corp. | P&A'd      |                     |
| Turner "A" #9     | 19-T17S-R31E | Devon Energy Corp. | WIW        |                     |

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>   |
|-------------------|---|------------------|------------------|------------------|-------------------|--|
| J.L. KEEL "B" #59 | 1280'FNL & 1070'FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 12/15/94         | 3/4/95           | OIL PRODUCER     | 3980'/3530'       | 8 5/8" @ 438' W/415 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 397'9" W/1500 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2994'- 3899'(OA)<br>SET CIBP @ 3750' & 3530'<br>IP=31 BOPD |
| J.L. KEEL "B" #63 | 1310'FSL & 1190'FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 2/1/95           | 4/12/95          | OIL PRODUCER     | 4000'/3952'       | 8 5/8" @ 433' W/325 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3999' W/1220 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2785'- 3611'(OA)<br>IP=113 BOPD                             |
| J.L. KEEL "B" #64 | 1180'FSL & 2350'FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 12/22/94         | 4/15/95          | OIL PRODUCER     | 3965'/3932'       | 8 5/8" @ 460' W/500 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3964' W/950 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2800'- 3846(OA)<br>IP=77 BOPD                                |
| J.L. KEEL "B" #65 | 50'FSL & 1290'FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM   | 1/25/95          | 4/16/95          | OIL PRODUCER     | 3950'/3904'       | 8 5/8" @ 432' W/500 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3949' W/1525 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2793'- 3615(OA)<br>IP=65 BOPD                               |
| J.L. KEEL "B" #81 | 2550'FNL & 1190'FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 2/14/95          | 5/17/95          | OIL PRODUCER     | 4000'/3947'       | 8 5/8" @ 470' W/850 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3999' W/1200 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2853'- 3701'(OA)<br>IP=76 BOPD                              |
| C.A. RUSSELL #4   | 440'FNL & 440'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 5/25/29          | 8/21/29          | OIL PRODUCER     | 3537'/3537'       | 12 1/2" @ 530' W/25 SXS<br>10" @ 1399' W/30 SXS<br>8 1/4" @ 2943' W/50 SXS<br>OPEN HOLE COMPLETION: 2943'- 3537'<br>IP=185 BOPD  |

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

| WELL NAME               | LOCATION     | OPERATOR            | STATUS     | REMARKS |
|-------------------------|--------------|---------------------|------------|---------|
| Turner "A" #14          | 19-T17S-R31E | Devon Energy Corp.  | Active Oil |         |
| Turner "A" #15          | 19-T17S-R31E | Devon Energy Corp.  | Shutin WIW |         |
| 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" #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" #27          | 18-T17S-R31E | Devon Energy Corp.  | P&A'd      |         |
| Turner "A" #28          | 18-T17S-R31E | Devon Energy Corp.  | P&A'd      |         |
| Turner "A" #31          | 18-T17S-R31E | Devon Energy Corp.  | P&A'd      |         |
| Turner "A" #33          | 18-T17S-R31E | Devon Energy Corp.  | TA'd       |         |
| Turner "A" #34          | 18-T17S-R31E | Devon Energy Corp.  | TA'd       |         |
| Turner "A" #37          | 18-T17S-R31E | Devon Energy Corp.  | D&A        |         |
|                         |              |                     |            |         |
|                         |              |                     |            |         |
|                         |              |                     |            |         |
|                         |              |                     |            |         |
|                         |              |                     |            |         |
|                         |              |                     |            |         |
|                         |              | OUTSIDE OPERATED    |            |         |
| Artesia Petroleum Co #2 | 1-T17S-R30E  | The Blanco Company  | Active Oil |         |
| Grybrg-Jcksn SA Ut #1   | 24-T17S-R30E | Burnett Oil Company | Shutin Oil |         |
| Grybrg-Jcksn SA Ut #1W  | 24-T17S-R30E | Burnett Oil Company | WIW        |         |
| Grybrg-Jcksn SA Ut #3   | 24-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #4   | 24-T17S-R30E | Burnett Oil Company | Shutin Oil |         |
| Grybrg-Jcksn SA Ut #15  | 13-T17S-R30E | Burnett Oil Company | Shutin Oil |         |
| Grybrg-Jcksn SA Ut #16  | 13-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #17  | 13-T17S-R30E | Burnett Oil Company | WIW        |         |
| Grybrg-Jcksn SA Ut #28  | 13-T17S-R30E | Burnett Oil Company | Shutin Oil |         |
| Grybrg-Jcksn SA Ut #29  | 13-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #30  | 13-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #34  | 12-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #35  | 12-T17S-R30E | Burnett Oil Company | Shutin Oil |         |
| Grybrg-Jcksn SA Ut #36  | 12-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #37  | 12-T17S-R30E | Burnett Oil Company | Shutin Oil |         |
| Grybrg-Jcksn SA Ut #38  | 12-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Grybrg-Jcksn SA Ut #45  | 13-T17S-R30E | Burnett Oil Company | WIW        |         |
| Grybrg-Jcksn SA Ut #46  | 12-T17S-R30E | Burnett Oil Company | WIW        |         |
| Grybrg-Jcksn SA Ut #48  | 12-T17S-R30E | Burnett Oil Company | Active Oil |         |
| Jackson Federal "B" #18 | 1-T17S-R30E  | Burnett Oil Company | Active Oil |         |
| Jackson Federal "B" #19 | 1-T17S-R30E  | Burnett Oil Company | Shutin Oil |         |
| Jackson Federal "B" #32 | 1-T17S-R30E  | Burnett Oil Company | WIW        |         |
|                         |              |                     |            |         |

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>   |
|------------------|--|------------------|------------------|------------------|-------------------|--|
| C.A. RUSSELL #5  | 2200'FNL & 440'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 3/14/30          | 6/20/30          | OIL PRODUCER     | 3545'/3545'       | 12 1/2" @ 534' W/25 SXS<br>10" @ 1387' W/105 SXS<br>6 5/8" @ 3214', LANDED - NOT CEMENTED<br>OPEN HOLE COMPLETION: 3214' - 3545'<br>IP=50 BOPD<br>SQUEEZE CASING LEAKS 1500' - 2560'(OA) W/2950 SXS<br>SET CEMENT RETAINER @ 2500'. PUMP 400 SXS BELOW & CAP W/50' CMT.<br>PERFORATE: 1820' - 1979'(OA) - RETURN TO PRODUCTION |
| C.A.RUSSELL #6   | 990'FNL & 1384'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 8/8/36           | 11/26/36         | OIL PRODUCER     | 3536'/3536'       | 10 3/4" @ 534' W/50 SXS<br>7" @ 3209' W/100 SXS<br>OPEN HOLE COMPLETION: 3209 - 3536'<br>IP=120 BOPD<br>CONVERT TO WATER INJECTION WELL  |
| C.A. RUSSELL #7  | 1650'FNL & 1384'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM | 1/23/37          | 4/16/37          | OIL PRODUCER     | 3535'/3535'       | 8 5/8" @ 536' W/50 SXS<br>7" @ 3176' W/100 SXS<br>OPEN HOLE COMPLETION: 3176 - 3535'<br>IP=62 BOPD   |
| C.A. RUSSELL #9  | 660'FNL & 1980'FEL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 5/4/40           | 7/11/40          | OIL PRODUCER     | 3495'/3495'       | 8 5/8" @ 598' W/50 SXS<br>7" @ 2850' W/100 SXS<br>OPEN HOLE COMPLETION: 2850' - 3495'<br>IP=51 BOPD<br>4 1/2" @ 3484' W/250 SXS. TOC @ 1620'(TEMP SURVEY)<br>PERFORATE: 3410' - 3465'(OA) - RETURN TO PRODUCTION<br>PERFORATE: 2941' - 3110'(OA) - RETURN TO PRODUCTION  |
| C.A. RUSSELL #11 | 1000'FNL & 2350'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM | 9/1/74           | 1/18/75          | OIL PRODUCER     | 3555'/3518'       | 9 5/8" @ 513' W/250 SXS<br>7" @ 3553' W/850 SXS. TOC @ 2530'(CBL)<br>PERFORATE: 3487 - 3527'(OA)<br>SQUEEZE PERFORATIONS W/150 SXS<br>PERFORATE: 3402 - 3511'(OA)<br>IP=20 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>   |
|------------------|--|------------------|---|------------------|-------------------|--|
| TURNER "A" #2    | 2220FSL & 440FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 9/14/29          | 2/5/30                                    | OIL PRODUCER     | 3497'/3497'       | 12 1/2" @ 335' W/25 SXS<br>10" @ 1384' W/25 SXS<br>6 5/8" @ 3174', LANDED - NOT CEMENTED<br>OPEN HOLE COMPLETION: 3174'- 3497'<br>IP=100 BOPD<br>PERFORATE @ 3135' & CEMENT SQUEEZE W/200 SXS<br>PERFORATE @ 1929' & CEMENT SQUEEZE W/200 SXS. TOC @ 1420'<br>CONVERT TO WATER INJECTION WELL<br>4 1/2" @ 3521' W/150 SXS<br>PERFORATE: 3184'- 3186'. CEMENT SQUEEZE W/50 SXS.<br>PERFORATE: 3378'- 3498(OA) - RETURN TO INJECTION |
| TURNER "A" #3    | 2220FSL & 1760FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM | 9/25/37          | 12/21/37                                  | OIL PRODUCER     | 3509'/3509'       | 8 5/8" @ 558' W/50 SXS<br>7" @ 3045' W/100 SXS. TOC @ 1370(CBL)<br>OPEN HOLE COMPLETION: 3045'- 3509'<br>IP=50 BOPD  |
| TURNER "A" #4    | 660FSL & 660FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM   | 3/7/38           | 5/22/38                                   | OIL PRODUCER     | 3522'/3522'       | 8 5/8" @ 580' W/50 SXS<br>5 1/2" @ 3399' W/100 SXS<br>OPEN HOLE COMPLETION: 3399'- 3522'<br>IP=68 BOPD<br>PERFORATE: 3132'- 3142(OA) - RETURN TO PRODUCTION<br>PLUGGED & ABANDONED   |
| TURNER "A" #5    | 330FNL & 660FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM   | 7/20/39          | 9/28/39                                   | OIL PRODUCER     | 3518'/3518'       | 8 5/8" @ 550' W/50 SXS<br>7" @ 3014' W/100 SXS<br>OPEN HOLE COMPLETION: 3014'- 3518'<br>IP=257 BOPD<br>PLUG BACK OPEN HOLE TO 3499'  |
|                  |  |                  | 4/7/44<br>5/24/54<br>12/20/67<br>12/16/69 | WATER INJECTOR   | 3518'/3499'       | PERFORATE: 2804'- 2818(OA) - RETURN TO PRODUCTION<br>SQUEEZE OFF PERFORATIONS 2804'- 2818' W/100 SXS<br>CONVERT TO WATER INJECTION WELL<br>4 1/2" @ 3498' W/200 SXS. TOC @ 1020'(TEMP SURVEY)<br>PERFORATE: 3364'- 3489(OA) - RETURN TO INJECTION  |



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 "A" #6    | 660FSL & 1980FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 4/27/40          | 7/1/40             | OIL PRODUCER     | 3494'/3494'       | 8 5/8" @ 571' W/50 SXS<br>7" @ 2945' W/100 SXS<br>OPEN HOLE COMPLETION: 2945'- 3494'<br>IP=105 BOPD  |
|                  |  |                  | 12/1/67<br>12/3/74 | WATER INJECTOR   | 3494'/3489'       | CONVERT TO WATER INJECTION WELL<br>4 1/2" LINER @ 2891'- 3494' W/100 SXS<br>PERFORATE: 3414'- 3483'(OA) - RETURN TO INJECTION<br>PLUGGED & ABANDONED         |
|                  |  |                  | 5/13/96            |                  |                   |  |
| TURNER "A" #7    | 330FNL & 1980FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 5/24/40          | 8/4/40             | OIL PRODUCER     | 3442'/3442'       | 8 5/8" @ 565' W/50 SXS<br>7" @ 2957' W/100 SXS<br>OPEN HOLE COMPLETION: 2957'- 3442'<br>IP=264 BOPD<br>PLUGGED & ABANDONED                                   |
| TURNER "A" #9    | 330FNL & 1980FEL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 8/8/40           | 2/2/95             |                  |                   |  |
|                  |  |                  | 1/17/41            | OIL PRODUCER     | 3423'/3423'       | 8" @ 545' W/50 SXS<br>7" @ 2914' W/100 SXS<br>OPEN HOLE COMPLETION: 2914'- 3423'<br>IP=110 BOPD  |
|                  |  |                  | 12/2/67<br>1/7/70  | WATER INJECTOR   | 3423'/3418'       | CONVERT TO WATER INJECTION WELL<br>4 1/2" @ 3422' W/200 SXS. TOC @ 1220'(TEMP SURVEY)<br>PERFORATE: 3348'- 3415'(OA) - RETURN TO INJECTION                   |
| TURNER "A" #14   | 1650FNL & 660FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 9/20/41          | 12/1/41            | OIL PRODUCER     | 3467'/3467'       | 8 5/8" @ 528' W/50 SXS<br>7" @ 2927' W/100 SXS<br>OPEN HOLE COMPLETION: 2927'- 3467'<br>IP=50 BOPD   |
| TURNER "A" #16   | 1650FNL & 1980FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM | 10/6/41          | 2/1/42             | OIL PRODUCER     | 3444'/3444'       | 8 5/8" @ 495' W/50 SXS<br>7" @ 2910' W/100 SXS<br>OPEN HOLE COMPLETION: 2910'- 3444'<br>IP=60 BOPD   |
|                  |  |                  | 12/12/67<br>1/7/70 | WATER INJECTOR   |                   | CONVERT TO WATER INJECTION   |
|                  |  |                  | 4/30/73            |                  | 3444'/3437'       | 4 1/2" @ 3442' W/200 SXS. TOC @ 1100'(TEMP SURVEY)<br>PERFORATE: 3321'- 3432'(OA) - RETURN TO INJECTION<br>PERFORATE: 2945'- 3035'(OA) - RETURN TO INJECTION |

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 "A" #18   | 1980FNL & 660FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 2/4/45           | 4/23/45          | OIL PRODUCER     | 1966'/1966'       | 7" @ 493' W/50 SXS<br>5 1/2" @ 1859' W/100 SXS<br>OPEN HOLE COMPLETION: 1859' - 1966'<br>IP=45 BOPD<br>PLUGGED & ABANDONED   |
| TURNER "A" #19   | 1980FNL & 1980FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM | 1/28/45          | 4/28/45          | OIL PRODUCER     | 1949'/1949'       | 7" @ 494' W/50 SXS<br>5 1/2" @ 1837' W/100 SXS<br>OPEN HOLE COMPLETION: 1837' - 1949'<br>IP=85 BOPD<br>PLUGGED & ABANDONED   |
| TURNER "A" #22   | 2310FNL & 1650FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM | 8/4/48           | 10/21/48         | OIL PRODUCER     | 1940'/1940'       | 8 1/4" @ 491' W/30 SXS<br>7" @ 1855' W/75 SXS<br>OPEN HOLE COMPLETION: 1855' - 1940'<br>IP=10 BOPD<br>SET CIBP @ 1811' - TEMPORARILY ABANDONED   |
| TURNER "A" #24   | 990FNL & 1650FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 9/17/52          | 10/18/52         | OIL PRODUCER     | 1925'/1925'       | 8 5/8" @ 519' W/50 SXS<br>7" @ 1860' W/100 SXS<br>OPEN HOLE COMPLETION: 1860' - 1925'<br>IP=16 BOPD<br>SET CIBP @ 1835' - TEMPORARILY ABANDONED  |
| TURNER "A" #25   | 990FNL & 2310FEL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 10/24/52         | 12/8/52          | OIL PRODUCER     | 1915'/1915'       | 8 5/8" @ 508' W/50 SXS<br>7" @ 1848' W/100 SXS<br>5 1/2" LINER @ 1840' - 1915', LANDED - NOT CEMENTED<br>PERFORATE: 1872' - 1915'(OA)<br>IP=30 BOPD<br>SET CIBP @ 1817' - TEMPORARILY ABANDONED<br>PLUGGED & ABANDONED |

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/BTD</u> | <u>COMPLETION RECORD</u>   |
|------------------|---|------------------|-------------------|------------------|------------------|--|
| TURNER "A" #26   | 660'FWL & 660'FWL<br>SEC 19-T17S-R31E<br>EDDY COUNTY, NM  | 2/15/53          | 3/16/53           | OIL PRODUCER     | 1971'/1971'      | 8 5/8" @ 540' W/50 SXS<br>7" @ 1907' W/100 SXS<br>5 1/2" LINER @ 1898'-1971', LANDED - NOT CEMENTED<br>PERFORATE: 1930'-1971'(OA)<br>IP=21 BOPD<br>SET CIBP @ 1871' - TEMPORARILY ABANDONED<br>PLUGGED & ABANDONED |
|                  |   |                  | 9/4/85<br>8/26/86 |                  | 1971'/1871'      |  |
| TURNER "A" #27   | 330'FSL & 1398'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM | 3/18/53          | 4/13/53           | OIL PRODUCER     | 1997'/1997'      | 8 5/8" @ 580' W/50 SXS<br>7" @ 1930' W/100 SXS<br>5 1/2" LINER @ 1925'-1997', LANDED - NOT CEMENTED<br>PERFORATE: 1956'-1997'(OA)<br>IP=30 BOPD<br>SET CIBP @ 1900' - TEMPORARILY ABANDONED<br>PLUGGED & ABANDONED |
|                  |   |                  | 8/29/85<br>7/2/86 |                  | 1997'/1900'      |  |
| TURNER "A" #28   | 330'FSL & 2310'FEL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM | 4/16/53          | 5/11/53           | OIL PRODUCER     | 1949'/1949'      | 9 5/8" @ 530' W/50 SXS<br>7" @ 1882' W/100 SXS<br>5 1/2" LINER @ 1873'-1949', LANDED - NOT CEMENTED<br>PERFORATE: 1907'-1949'(OA)<br>IP=25 BOPD<br>PLUGGED & ABANDONED   |
|                  |   |                  | 3/2/85            |                  |                  |  |
| TURNER "A" #31   | 560'FSL & 660'FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 6/7/53           | 7/8/53            | OIL PRODUCER     | 1999'/1999'      | 9 5/8" @ 578' W/50 SXS<br>7" @ 1938' W/100 SXS<br>5 1/2" LINER @ 1925'-1999', LANDED - NOT CEMENTED<br>PERFORATE: 1954'-1999'(OA)<br>IP=3 BOPD<br>PLUGGED & ABANDONED  |
|                  |   |                  | 9/16/81           |                  |                  |  |

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 "A" #38   | 1650FSL & 2058FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM | 8/26/53          | 9/23/53          | OIL PRODUCER     | 2007/2007'        | 9 5/8" @ 570' W/50 SXS<br>7" @ 1938' W/100 SXS<br>5 1/2" LINER @ 1927' - 2007'. LANDED - NOT CEMENTED<br>PERFORATE: 1963' - 2007'(OA)<br>IP=33 BOPD<br>PLUG BACK TO 1880' W/2500# SAND & CAP W/30 SXS CEMENT<br>TEMPORARILY ABANDONED |
| TURNER "A" #34   | 1650FSL & 736FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 9/28/53          | 10/29/53         | OIL PRODUCER     | 2000'/2000'       | 9 5/8" @ 565' W/50 SXS<br>7" @ 1935' W/100 SXS<br>5 1/2" LINER @ 1924' - 2000'. LANDED - NOT CEMENTED<br>PERFORATE: 1957' - 2000'(OA)<br>IP=10 BOPD<br>PLUG BACK TO 1885' W/5000# SAND & CAP W/30 SXS CEMENT<br>TEMPORARILY ABANDONED |
| TURNER "A" #37   | 1980FSL & 660FWL<br>SEC 18-T17S-R31E<br>EDDY COUNTY, NM  | 5/15/68          | 7/11/68          | D & A            | 9800'/0'          | 13 3/8" @ 403' W/400 SXS<br>8 5/8" @ 3900' W/2000 SXS<br>DRY & ABANDONED  |

VI Wells Within "Area Of Review"

| WELL NAME                                     | LOCATION  | SPUD DATE | COMP DATE | WELL TYPE      | DEPTH/PBTD  | COMPLETION RECORD   |
|---|---|-----------|-----------|----------------|-------------|---|
| ARTESIA PETROLEUM CO #2<br>The Blanco Company | 1980'FNL & 660'FEL<br>SEC 1-117S-R30E<br>EDDY COUNTY, NM  | 7/14/56   | 9/26/56   | OIL PRODUCER   | 3086'/3086' | 8 5/8" @ 597' W/50 SXS<br>7" @ 2495' W/15 SXS<br>5 1/2" @ 3086' W/320 SXS<br>PERFORATE: 3030' - 3050'<br>IP=50 BOPD                                   |
| GRYBRG-JCKSN SA UT #1<br>Burnett Oil Company  | 1650'FNL & 660'FEL<br>SEC 24-T17S-R30E<br>EDDY COUNTY, NM | 7/2/41    | 9/13/41   | OIL PRODUCER   | 3448'/3448' | 8 1/4" @ 565' W/50 SXS<br>7" @ 2968' W/100 SXS<br>OPEN HOLE COMPLETION: 2968' - 3448'<br>IP=300 BOPD  |
| GRYBRG-JCKSN SA UT #1W<br>Burnett Oil Company | 1980'FNL & 660'FEL<br>SEC 24-T17S-R30E<br>EDDY COUNTY, NM | 11/29/44  | 1/2/45    | WATER INJECTOR | 2000'/2000' | 8 1/4" @ 525' W/50 SXS<br>7" @ 1861' W/100 SXS<br>OPEN HOLE COMPLETION: 1861' - 2000'<br>COMPLETED AS WATER INJECTION WELL                            |
| GRYBRG-JCKSN SA UT #3<br>Burnett Oil Company  | 330'FNL & 330'FEL<br>SEC 24-T17S-R30E<br>EDDY COUNTY, NM  | 7/17/39   | 10/1/39   | OIL PRODUCER   | 3527'/3527' | 8 5/8" @ 549' W/50 SXS<br>7" @ 2949' W/100 SXS<br>OPEN HOLE COMPLETION: 2949' - 3527'<br>IP=1680 BOPD   |
| GRYBRG-JCKSN SA UT #4<br>Burnett Oil Company  | 440'FNL & 1980'FEL<br>SEC 24-T17S-R30E<br>EDDY COUNTY, NM | 4/17/39   | 7/5/39    | OIL PRODUCER   | 3510'/3510' | 8" @ 545' W/50 SXS<br>7" @ 2935' W/100 SXS<br>OPEN HOLE COMPLETION: 2935' - 3510'<br>IP=100 BOPD<br>DEEPEEN OPEN HOLE TO 4722' - RETURN TO PRODUCTION |
| GRYBRG-JCKSN SA UT #15<br>Burnett Oil Company | 660'FSL & 660'FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM  | 12/20/37  | 2/20/38   | OIL PRODUCER   | 3518'/3518' | 8 1/4" @ 565' W/50 SXS<br>6" @ 2971' W/100 SXS<br>OPEN HOLE COMPLETION: 2971' - 3518'<br>IP=550 BOPD  |
| GRYBRG-JCKSN SA UT #16<br>Burnett Oil Company | 1980'FSL & 660'FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM | 9/27/37   | 12/19/37  | OIL PRODUCER   | 3525'/3525' | 8 1/4" @ 556' W/50 SXS<br>7" @ 2945' W/100 SXS<br>OPEN HOLE COMPLETION: 2945' - 3525'<br>IP=480 BOPD  |

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|---|--|------------------|------------------|------------------|-------------------|---|
| GRYBRG-JCKSN SA UT #17<br>Burnett Oil Company | 1980FSL & 2000FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM | 5/27/37          | 8/27/37          | WATER INJECTOR   | 3510'/3510'       | 10 3/4" @ 565' W/50 SXS<br>7" @ 2968' W/100 SXS<br>OPEN HOLE COMPLETION: 2968- 3510'<br>COMPLETED AS WATER INJECTION WELL |
| GRYBRG-JCKSN SA UT #28<br>Burnett Oil Company | 3080FSL & 660FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM  | 12/14/39         | 2/19/40          | OIL PRODUCER     | 3514'/3514'       | 8" @ 592' W/50 SXS<br>7" @ 2945' W/100 SXS<br>OPEN HOLE COMPLETION: 2945- 3514'<br>IP=70 BOPD                             |
| GRYBRG-JCKSN SA UT #29<br>Burnett Oil Company | 1320FNL & 1320FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM | 9/3/28           | 3/21/29          | OIL PRODUCER     | 3560'/3560'       | 12 1/2" @ 498'<br>10" @ 1467'<br>8 1/4" @ 2428'<br>6 5/8" @ 3463'<br>OPEN HOLE COMPLETION: 3463- 3560'<br>IP=160 BOPD     |
| GRYBRG-JCKSN SA UT #30<br>Burnett Oil Company | 440FNL & 440FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM   | 6/18/37          | 12/1/37          | OIL PRODUCER     | 3541'/3541'       | 8 1/4" @ 551' W/50 SXS<br>7" @ 2960' W/100 SXS<br>OPEN HOLE COMPLETION: 2960- 3541'<br>IP=100 BOPD                        |
| GRYBRG-JCKSN SA UT #34<br>Burnett Oil Company | 440FSL & 1980FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM  | 5/23/40          | 8/3/40           | OIL PRODUCER     | 3470'/3470'       | 8 1/4" @ 592' W/50 SXS<br>7" @ 2982' W/100 SXS<br>OPEN HOLE COMPLETION: 2982- 3470'<br>IP=225 BOPD                        |
| GRYBRG-JCKSN SA UT #35<br>Burnett Oil Company | 440FSL & 660FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM   | 3/9/40           | 5/10/40          | OIL PRODUCER     | 3482'/3482'       | 10 1/4" @ 582' W/50 SXS<br>7" @ 2936' W/100 SXS<br>OPEN HOLE COMPLETION: 2936- 3482'<br>IP=115 BOPD                       |
| GRYBRG-JCKSN SA UT #36<br>Burnett Oil Company | 1760FSL & 660FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM  | 6/29/57          | 10/20/57         | OIL PRODUCER     | 3507'/3507'       | 8 5/8" @ 570' W/50 SXS<br>7" @ 3303' W/300 SXS<br>OPEN HOLE COMPLETION: 3303- 3507'<br>IP=30 BOPD                         |

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|--|--|------------------|------------------|------------------|-------------------|---|
| GRYBRG-JCKSN SA UT #37<br>Burnett Oil Company  | 1760FSL & 1980FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM | 7/28/57          | 10/20/57         | OIL PRODUCER     | 3510'/3510'       | 8 5/8" @ 557' W/50 SXS<br>7" @ 3397' W/125 SXS<br>PERFORATE: 3212' - 3397'(OA)<br>OPEN HOLE COMPLETION: 3397' - 3510'<br>IP=127 BOPD      |
| GRYBRG-JCKSN SA UT #38<br>Burnett Oil Company  | 660FNL & 660FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM   | 4/14/57          | 8/8/57           | OIL PRODUCER     | 3540'/3540'       | 8 5/8" @ 540' W/50 SXS<br>7" @ 2412', LANDED - NOT CEMENTED<br>5 1/2" @ 3492' W/100 SXS<br>PERFORATE: 3386' - 3540'(OA)<br>IP=43 BOPD     |
| GRYBRG-JCKSN SA UT #45<br>Burnett Oil Company  | 760FNL & 1980FEL<br>SEC 13-T17S-R30E<br>EDDY COUNTY, NM  | 11/22/78         | 9/28/79          | WATER INJECTOR   | 3514'/3514'       | 8 5/8" @ 489' W/300 SXS<br>4 1/2" @ 3514' W/700 SXS<br>PERFORATE: 3103' - 3486'(OA)<br>COMPLETED AS WATER INJECTION WELL                  |
| GRYBRG-JCKSN SA UT #46<br>Burnett Oil Company  | 660FNL & 1980FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM  | 11/14/78         | 10/10/78         | WATER INJECTOR   | 3559'/3559'       | 8 5/8" @ 528' W/300 SXS<br>4 1/2" @ 3559' W/930 SXS<br>PERFORATE: 2925' - 3549'(OA)<br>COMPLETED AS WATER INJECTION WELL                  |
| GRYBRG-JCKSN SA UT #48<br>Burnett Oil Company  | 1980FNL & 660FEL<br>SEC 12-T17S-R30E<br>EDDY COUNTY, NM  | 6/27/92          | 11/16/92         | OIL PRODUCER     | 3589'/3589'       | 8 5/8" @ 505' W/350 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3583' W/830 SXS. CEMENT TO SURFACE.<br>PERFORATE: 3101' - 3470'(OA)<br>IP=36 BOPD |
| JACKSON FEDERAL "B" #18<br>Burnett Oil Company | 1990FSL & 660FEL<br>SEC 1-T17S-R30E<br>EDDY COUNTY, NM   | 11/26/56         | 2/15/57          | OIL PRODUCER     | 3220'/3220'       | 8 5/8" @ 571' W/50 SXS<br>5 1/2" @ 3220' W/195 SXS<br>PERFORATE: 2881' - 3183'(OA)<br>IP=100 BOPD   |
| JACKSON FEDERAL "B" #19<br>Burnett Oil Company | 660FSL & 660FEL<br>SEC 1-T17S-R30E<br>EDDY COUNTY, NM    | 2/15/57          | 4/18/57          | OIL PRODUCER     | 3197'/3197'       | 8 5/8" @ 560' W/50 SXS<br>5 1/2" @ 3197' W/100 SXS<br>PERFORATE: 2899' - 3172'(OA)<br>IP=309 BOPD   |





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|------------------|---|------------------|------------------|------------------|-------------------|---|
| J.L. KEEL "A" #2 | 440FSL & 440FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM   | 6/5/29           | 8/27/29          | OIL PRODUCER     | 3600'/3600'       | 12 1/2" @ 511' W/70 SXS. CEMENT TO SURFACE.<br>10" @ 1342' W/80 SXS. CEMENT TO SURFACE.<br>6 5/8" @ 3154' LANDED - NOT CEMENTED.<br>OPEN HOLE COMPLETION: 3154' - 3600'<br>IP=120 BOPD<br>PLUGGED & ABANDONED   |
| J.L. KEEL "A" #3 | 330FSL & 1650FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 4/20/38          | 6/16/38          | OIL PRODUCER     | 3575'/3575'       | 8 5/8" @ 558' W/50 SXS<br>7" @ 3100' W/100 SXS<br>OPEN HOLE COMPLETION: 3100' - 3575'<br>IP=185 BOPD  |
| J.L. KEEL "A" #4 | 1650FSL & 2310FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 3/4/39           | 5/16/39          | OIL PRODUCER     | 3638'/3586'       | 8 5/8" @ 556' W/75 SXS<br>7" @ 3141' W/100 SXS<br>PERFORATE: 2891' - 3122(OA) & OPEN HOLE: 3141' - 3586'<br>IP=60 BOPD<br>PERFORATE: 2891' - 3122(OA)<br>RETURN TO PRODUCTION   |
| J.L. KEEL "A" #5 | 330FSL & 2310FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 5/11/41          | 7/23/41          | OIL PRODUCER     | 3547'/3547'       | 8 5/8" @ 508' W/50 SXS<br>5 1/2" @ 3131' W/100 SXS<br>OPEN HOLE COMPLETION: 3131' - 3547'<br>IP=44 BOPD<br>PLUGGED & ABANDONED<br>DRILL OUT PLUGS AND CLEAN OUT WELLBORE TO TD<br>2 7/8" @ 3547' W/698 SXS. CEMENT TO SURFACE.<br>PERFORATE: 3186' - 3626(OA)<br>RECOMPLETED AS WATER INJECTION WELL<br>PLUGGED & ABANDONED |
| J.L. KEEL "A" #7 | 1980FSL & 660FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 6/7/45           | 9/29/45          | OIL PRODUCER     | 3576'/3576'       | 8 5/8" @ 556' W/60 SXS<br>7" @ 3118' W/100 SXS. TOC @ 1700'<br>OPEN HOLE COMPLETION: 3118' - 3576'<br>IP=25 BOPD<br>PERFORATE: 2882' - 2892'<br>CONVERT TO WATER INJECTION WELL   |
|                  |   |                  | 5/22/66          | WATER INJECTOR   |                   |   |

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|-------------------|---|------------------|--------------------|------------------|-------------------|---|
| J.L. KEEL "A" #8  | 1980FSL & 1980FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 2/28/50          | 6/4/50             | OIL PRODUCER     | 3528'/3482'       | 10 3/4" @ 535' W/110 SXS<br>7" @ 2760' W/125 SXS<br>OPEN HOLE COMPLETION: 2760' - 3482'<br>IP=25 BOPD<br>DEEPEN OPEN HOLE TO 5100' & RUN LOGS. TAD WELL<br>PLUGGED & ABANDONED  |
| J.L. KEEL "A" #9  | 1980FNL & 1980FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 6/7/50           | 9/1/50             | OIL PRODUCER     | 3525'/3525'       | 10 3/4" @ 541' W/110 SXS<br>7" @ 2819' W/200 SXS<br>OPEN HOLE COMPLETION: 2819' - 3525'<br>IP=24 BOPD<br>DEEPEN OPEN HOLE TO 3611'  |
| J.L. KEEL "A" #13 | 660FNL & 1980FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 12/9/55          | 2/29/56            | OIL PRODUCER     | 3501'/3501'       | 4 1/2" @ 3611' W/325 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2928' - 3550'(OA)<br>CONVERT TO WATER INJECTION WELL<br>PERFORATE: 2830' - 3599'(OA)<br>RETURN TO INJECTION  |
| J.L. KEEL "A" #14 | 660FNL & 519FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM   | 8/28/57          | 11/5/57            | OIL PRODUCER     | 3502'/2950'       | 8 5/8" @ 560' W/100 SXS<br>5 1/2" @ 2852' W/200 SXS. TOC @ 1480'<br>OPEN HOLE COMPLETION: 2852' - 3501'<br>IP=96 BOPD<br>TAD<br>PLUGGED & ABANDONED   |
|                   |   |                  | 8/12/77<br>8/19/81 |                  |                   |   |
|                   |   |                  | 3/8/66             | WATER INJECTOR   | 3502'/3502'       | 10 3/4" @ 587' W/100 SXS<br>5 1/2" @ 3425' W/125 SXS<br>PERFORATE: 3190' - 3200'<br>SET CIBP @ 2950'<br>PERFORATE: 2888' - 2900'(OA)<br>IP=360 BOPD<br>DRILL OUT CIBP & CLEAN OUT WELLBORE TO TD<br>PERFORATE: 3030' - 3118'(OA)<br>CONVERT TO WATER INJECTION WELL |

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|-------------------|---|------------------|------------------|------------------|-------------------|---|
| J.L. KEEL "A" #15 | 1980'FNL & 330'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 1/26/67          | 2/25/67          | OIL PRODUCER     | 3625'/3618'       | 9 5/8" @ 605' W/300 SXS. CEMENT TO SURFACE.<br>7" @ 3625' W/350 SXS. TOC @ 1930'<br>PERFORATE: 2869'- 3566'(OA)<br>IP=51 BOPD   |
| J.L. KEEL "A" #16 | 2080'FNL & 1700'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 11/12/85         | 12/19/85         | OIL PRODUCER     | 3600'/3580'       | 13 3/8" @ 503' W/1100 SXS. CEMENT TO SURFACE.<br>8 5/8" @ 1557' W/800 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3592' W/800 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2931'- 3513'(OA)<br>IP=164 BOPD                                     |
| J.L. KEEL "A" #17 | 640'FNL & 2050'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 7/10/88          | 7/27/88          | OIL PRODUCER     | 3785'/3527'       | 8 5/8" @ 400' W/300 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3785' W/1500 SXS. CEMENT TO SURFACE.<br>PERFORATE: 3136'- 3747'(OA)<br>SET CIBP @ 3527'<br>IP=54 BOPD   |
| J.L. KEEL "A" #18 | 1310'FNL & 1100'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 12/26/94         | 2/28/95          | OIL PRODUCER     | 3975'/3924'       | 8 5/8" @ 433' W/500 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3974' W/1075 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2865'- 2670'(OA)<br>IP=92 BOPD   |
| J.L. KEEL "A" #23 | 600'FNL & 2080'FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 12/10/94         | 2/18/95          | OIL PRODUCER     | 4020'/3830'       | 8 5/8" @ 475' W/325 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 4019' W/1250 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2968'- 3892'(OA)<br>IP=90 BOPD<br>SET CIBP @ 3664'<br>PERFORATE: 2893'- 3309'(OA)<br>CONVERT TO WATER INJECTION WELL |
| J.L. KEEL "A" #24 | 2560'FSL & 1200'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 4/9/95           | 5/23/95          | OIL PRODUCER     | 3975'/3932'       | 8 5/8" @ 440' W/875 SXS. CEMENT TO SURFACE.<br>5 1.2" @ 3974' W/1100 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2772'- 3638'(OA)<br>IP=96 BOPD   |

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|-------------------|---|------------------|------------------|------------------|-------------------|--|
| J.L. KEEL "A" #25 | 754'FSL & 1165'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 9/18/95          | 10/15/95         | OIL PRODUCER     | 3965'/3919'       | 8 5/8" @ 426' W/500 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3964' W/1260 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2773'- 3637'(OA)<br>IP=217 BOPD |
| J.L. KEEL "A" #28 | 1989'FSL & 2001'FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 9/9/95           | 10/3/95          | OIL PRODUCER     | 3765'/3720'       | 13 3/8" @ 443' W/200 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3764' W/1760 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2848'- 3550'(OA)<br>IP=25 BOPD |
| J.L. KEEL "A" #29 | 459'FSL & 389'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM   | 8/8/95           | 9/4/95           | OIL PRODUCER     | 3745'/3696'       | 13 3/8" @ 409' W/1470 SXS. TOC @ 102'<br>5 1/2" @ 3745' W/2210 SXS. TOC @ 1080'(CBL)<br>PERFORATE: 2788'- 3565'(OA)<br>IP=33 BOPD          |
| J.L. KEEL "A" #31 | 1359'FNL & 2448'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 1/17/95          | 4/15/95          | OIL PRODUCER     | 4005'/3958'       | 8 5/8" @ 436' W/450 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 4004' W/1180 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2827'- 3693'(OA)<br>IP=35 BOPD  |
| J.L. KEEL "A" #32 | 2632'FSL & 2624'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 4/18/95          | 5/22/95          | OIL PRODUCER     | 3985'/3931'       | 8 5/8" @ 441' W/750 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3984' W/1635 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2828'- 3631'(OA)<br>IP=125 BOPD |
| J.L. KEEL "A" #34 | 1989'FSL & 2001'FEL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM | 9/9/95           | 11/1/95          | OIL PRODUCER     | 3765'/3720'       | 13 3/8" @ 443' W/700 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3764' W/1760 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2848'- 3550'(OA)<br>IP=25 BOPD |
| J.L. KEEL "A" #36 | 100'FNL & 2460'FWL<br>SEC 7-T17S-R31E<br>EDDY COUNTY, NM  | 5/6/95           | 5/31/95          | OIL PRODUCER     | 4025'/3977'       | 8 5/8" @ 439' W/650 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 4024' W/1850 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2871'- 3668'(OA)<br>IP=72 BOPD  |

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|-------------------|---|------------------|------------------|------------------|-------------------|---|
| J.L. KEEL "B" #1  | 554FNL & 554FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM   | 4/5/43           | 9/16/43          | OIL PRODUCER     | 3549/3135'        | 10 3/4" @ 595' W/75 SXS<br>7" @ 2947' W/100 SXS<br>OPEN HOLE COMPLETION: 2947' - 3135'<br>IP=136 BOPD<br>CLEAN OUT OPEN HOLE TO 3533'<br>SPOT CEMENT PLUG 3369' - 3530' W/30 SXS<br>CONVERT TO WATER INJECTION WELL   |
| J.L. KEEL "B" #21 | 1980FSL & 1980FEL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 5/27/56          | 8/2/56           | OIL PRODUCER     | 3490/3490'        | 10 3/4" @ 528' W/100 SXS<br>5 1/2" @ 2811' W/100 SXS<br>OPEN HOLE COMPLETION: 2811' - 3490'<br>IP=139 BOPD<br>RUN 3 1/2" LINER @ 2737' - 3470' W/125 SXS<br>PERFORATE: 2938' - 3454(OA)<br>CONVERT TO WATER INJECTION WELL<br>PERFORATE: 2801' - 3280(OA) - RETURN TO WATER INJECTION |
| J.L. KEEL "B" #23 | 660FSL & 1700FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM  | 9/2/56           | 12/1/56          | OIL PRODUCER     | 3465/3465'        | 10 3/4" @ 590' W/100 SXS<br>7" @ 2805' W/200 SXS<br>OPEN HOLE COMPLETION: 2805' - 3465'<br>IP=50 BOPD   |
| J.L. KEEL "B" #24 | 1980FNL & 1694FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 12/21/56         | 3/16/57          | OIL PRODUCER     | 3519/3175'        | 10 3/4" @ 509' W/500 SXS. CEMENT TO SURFACE.<br>7" @ 3180' W/100 SXS. TOC @ 2685'<br>SET CIBP @ 3175'<br>PERFORATE: 2953' - 3163(OA)<br>IP=43 BOPD<br>DRILL OUT CIBP & CLEAN OUT OPEN HOLE TO 3490'<br>PERFORATE: 3010' - 3102(OA) - RETURN TO PRODUCTION                             |
| J.L. KEEL "B" #25 | 1980FSL & 517FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM  | 4/7/57           | 6/11/57          | OIL PRODUCER     | 3192/3192'        | 10 3/4" @ 567' W/100 SXS<br>7" @ 3060' W/100 SXS. TOC @ 2285'<br>OPEN HOLE COMPLETION: 3060' - 3192'<br>IP=240 BOPD<br>PERFORATE: 2886' - 3036(OA)<br>CONVERT TO WATER INJECTION WELL   |
|                   |   |                  | 2/28/66          | WATER INJECTOR   |                   |   |

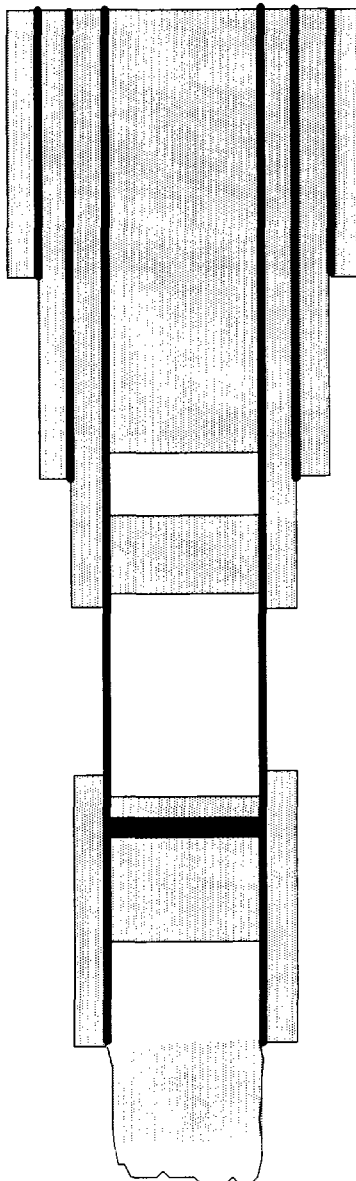
VI Wells Within "Area Of Review"

| <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>  |
|-------------------|---|------------------|------------------|------------------|-------------------|---|
| J.L. KEEL "B" #26 | 660FSL & 517FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM   | 6/19/57          | 8/22/57          | OIL PRODUCER     | 3500'/3415'       | 10 3/4" @ 566' W/100 SXS<br>7" @ 3420' W/100 SXS. TOC @ 2100'<br>PERFORATE: 3026' - 3226'(OA)<br>IP=240 BOPD<br>PERFORATE: 2888' - 2896' - RETURN TO PRODUCTION<br>PERFORATE: 2924' - 2936' - RETURN TO PRODUCTION<br>SET CEMENT RETAINER @ 2784', PUMP 200 SXS BELOW RETAINER<br>TEMPORARILY ABANDONED   |
| J.L. KEEL "B" #30 | 430FSL & 2250FEL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM  | 2/4/75           | 2/28/75          | OIL PRODUCER     | 3250'/3206'       | 8 5/8" @ 506' W/375 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3249' W/760 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2889' - 3170'(OA)<br>IP=3 BOPD<br>SET CEMENT RETAINER @ 2800', PUMP 150 SXS BELOW & CAP W/50' CMT.<br>PERFORATE: 1959' - 2013(OA) - RETURN TO PRODUCTION<br>PERFORATE: 1822' - 2045(OA) - RETURN TO PRODUCTION<br>SQUEEZE PERFORATIONS 1822' - 2045' W/200 SXS<br>DEEPEN WELLBORE TO 3684'<br>PERFORATE: 2813' - 3244'(OA)<br>CONVERT TO WATER INJECTION WELL |
| J.L. KEEL "B" #40 | 1980FNL & 660FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM  | 7/21/88          | 10/27/88         | OIL PRODUCER     | 3760'/3715'       | 8 5/8" @ 460' W/300 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3759' W/1300 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2826' - 3483(OA)<br>SQUEEZE PERFORATIONS 2826' - 2961'(OA) W/600 SXS<br>IP=40 BOPD   |
| J.L. KEEL "B" #42 | 1980FSL & 1780FWL<br>SEC 6-T17S-R31E<br>EDDY COUNTY, NM | 9/7/88           | 9/29/88          | OIL PRODUCER     | 3550'/3481'       | 8 5/8" @ 463' W/300 SXS. CEMENT TO SURFACE.<br>5 1/2" @ 3550' W/1200 SXS. CEMENT TO SURFACE.<br>PERFORATE: 2915' - 3509(OA)<br>SQUEEZE PERFORATIONS 2915' - 2948(OA) W/265 SXS<br>PERFORATE: 2965' - 3509(OA)<br>IP=108 BOPD  |

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |            |                            |                         |       |                     |           |
|--|------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: J.L. KEEL "A" #2                  |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 440'FSL & 440'FWL, SEC 7-T17S-R31E |            |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3745'; KB=UNK                  |            |                            | SPUD DATE: 06/05/29     |       | COMP DATE: 08/27/29 |           |
| API#: 30-015-05090                           |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 06/04/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:                                      | 0' - 511'  | 12 1/4"                    | 50#                     |       |                     |           |
| CASING:                                      | 0' - 1342' | 10"                        | 40#                     |       |                     |           |
| CASING:                                      | 0' - 3154' | 6 5/8"                     | 24#                     |       |                     |           |
| TUBING:                                      |            |                            |                         |       |                     |           |
| TUBING:                                      |            |                            |                         |       |                     |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 06/09/83

CEMENT PLUG: 0'- 1320' W/600 SXS

12 1/4" CASING, SET W/70 SXS. TOC @ SURFACE.

PERFORATE 6 5/8" CASING @ 1320'  
7" CASING, SET W/130 SXS. TOC @ UNKNOWN.

CEMENT PLUG: 1414'- 1550'

PERF & SQUEEZE 6 5/8" CASING @ 1600' W/275 SXS. TOC @ 1000'.

CEMENT RETAINER @ 2440', PUMP 500 SXS BELOW & CAP WITH 6 SXS.

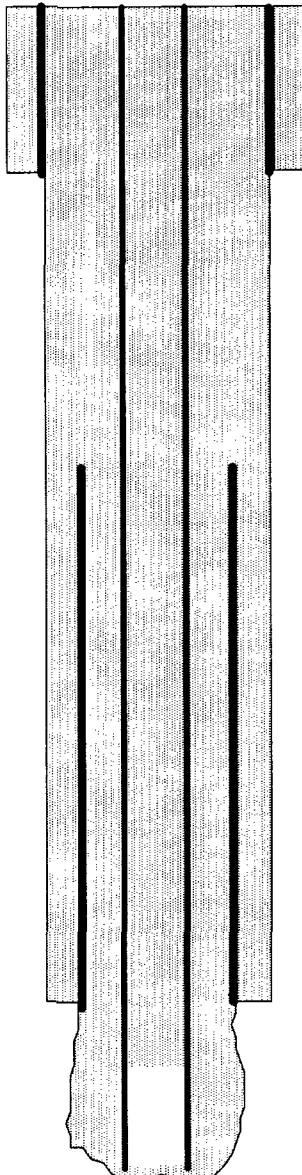
6 5/8" CASING. TOC @ UNK.  
CEMENT PLUG: 3154'- 3529' W/250 SXS  
OPEN HOLE COMPLETION: 3154'- 3600'

TD @ 3600'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|   |               |                            |                         |       |                     |           |
|---|---------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: J.L. KEEL "A" #5                   |               |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 330°FSL & 2310°FEL, SEC 7-T17S-R31E |               |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3697'; KB=UNK                   |               |                            | SPUD DATE: 05/11/41     |       | COMP DATE: 09/22/41 |           |
| API#: 30-015-05093                            |               | PREPARED BY: C.H. CARLETON |                         |       | DATE: 03/06/96      |           |
|   | DEPTH         | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:                                       | 0' - 502'     | 8 5/8"                     | 32#                     |       |                     |           |
| CASING:                                       | 1825' - 3131' | 5 1/2"                     | 15#                     |       |                     |           |
| CASING:                                       |               |                            |                         |       |                     |           |
| TUBING:                                       | 0' - 3547'    | 2 7/8"                     | 6.5#                    |       |                     |           |
| TUBING:                                       |               |                            |                         |       |                     |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 06/02/89

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

5 1/2" CASING CUT @ 1825'

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

BOTTOM OF PLUG IN 2 7/8" TUBING @ 3150'

OPEN HOLE COMPLETION: 3131' - 3547'

2 7/8" TUBING SET W/698 SXS. CIRCULATED TO SURFACE.

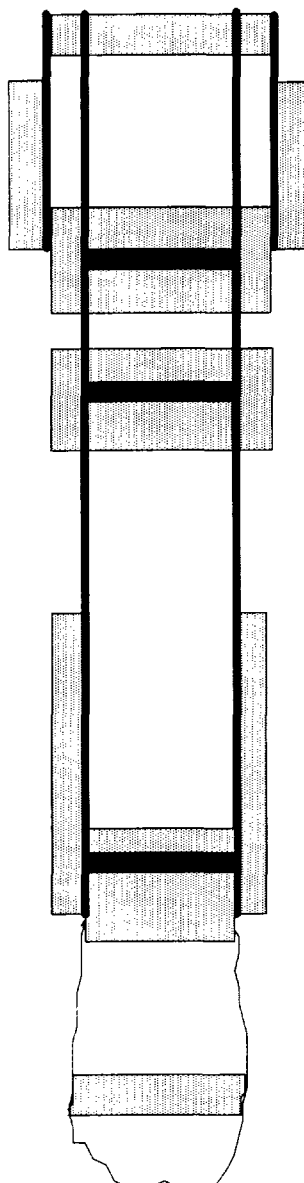
TD @ 3547'



## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |            |                            |                         |       |                     |           |
|--|------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: J.L. KEEL "A" #8                    |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 1980'FSL & 1980'FEL, SEC 7-T17S-R31E |            |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3702'; KB=3712'                  |            |                            | SPUD DATE: 02/28/50     |       | COMP DATE: 05/28/50 |           |
| API#: 30-015-05096                             |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 03/07/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:  | 0' - 535'  | 10 3/4"                    |                         |       |                     |           |
| CASING:  | 0' - 2760' | 7"                         |                         |       |                     |           |
| CASING:  |            |                            |                         |       |                     |           |
| TUBING:  |            |                            |                         |       |                     |           |
| TUBING:  |            |                            |                         |       |                     |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 05/31/78

SURFACE PLUG SET W/200 SXS.  
10 3/4" CASING, SET W/110 SXS. TOC @ UNKNOWN  
CEMENT RETAINER @ 596'. PUMP 200 SXS BELOW & CAP W/3 SXS.  
PERF 7" CASING @ 650'.

CEMENT RETAINER @ 1155'. PUMP 100 SXS BELOW & CAP W/3 SXS.  
PERF 7" CASING @ 1210'.

CEMENT RETAINER @ 2675'. PUMP 100 SXS BELOW & CAP W/3 SXS.  
7" CASING SET W/125 SXS. TOC @ UNKNOWN

OPEN HOLE COMPLETION: 2760' - 5100'

CEMENT PLUG: 4535' - 4657'

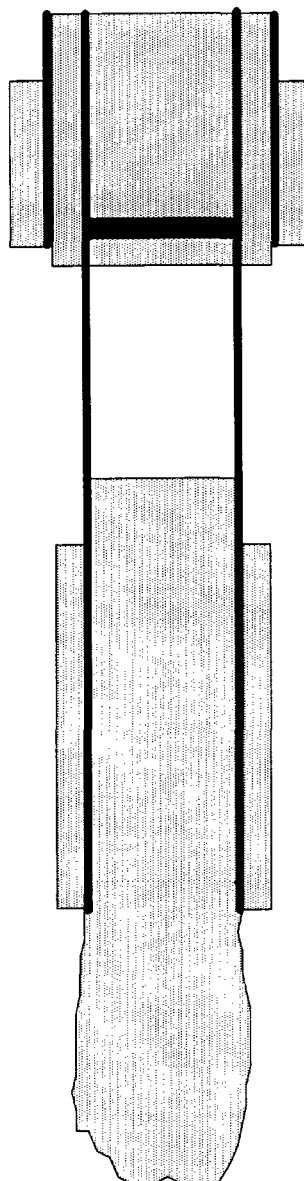
TD @ 5100'

# VI Wellbore Schematic of Plugged Wells:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|   |                            |                     |
|---|----------------------------|---------------------|
| WELL NAME: J.L. KEEL "A" #13                  | FIELD: GRAYBURG-JACKSON    |                     |
| LOCATION: 660'FNL & 1980'FEL, SEC 7-T17S-R31E | COUNTY: EDDY               | STATE: NM           |
| ELEVATION: GL=3765'; KB=UNK                   | SPUD DATE: 12/09/55        | COMP DATE: 02/29/56 |
| API#: 30-015-05105                            | PREPARED BY: C.H. CARLETON | DATE: 03/07/96      |

|         | DEPTH      | SIZE   | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|------------|--------|--------|-------|--------|-----------|
| CASING: | 0' - 560'  | 8 5/8" | 24#    | J-55  |        |           |
| CASING: | 0' - 2852' | 5 1/2" | 14#    |       |        |           |
| CASING: |            |        |        |       |        |           |
| TUBING: |            |        |        |       |        |           |
| TUBING: |            |        |        |       |        |           |



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 08/19/81

CEMENT RETAINER @ 500'. PUMP 150 SXS BELOW & CAP W/50 SXS.  
8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN  
PERF 5 1/2" CASING @ 570'.

CEMENT PLUG: 1280' - 2700', SET W/100 SXS.

CEMENT PLUG: 2700' - 3501', SET W/100 SXS.

5 1/2" CASING SET W/200 SXS. TOC @ 1480'.

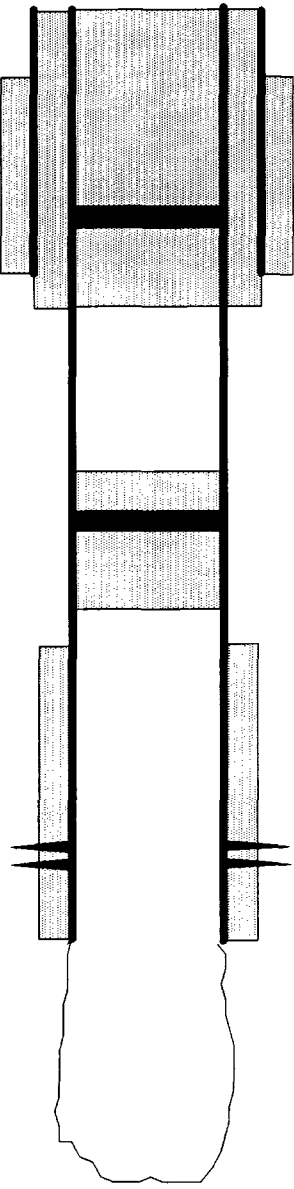
OPEN HOLE COMPLETION: 2852' - 3501'

TD @ 3501'

## VI Wellbore Schematic of Plugged Wells:

| <b>DEVON ENERGY OPERATING CORPORATION</b><br><b>WELLBORE SCHEMATIC</b> |            |                            |                         |       |                     |           |
|--|------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: TURNER "A" #4   |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 660'FSL & 660'FWL, SEC 18-T17S-R31E                          |            |                            | COUNTY: EDDY            |       | STATE: NM           |           |
| ELEVATION: GL=3760'; KB=UNK  |            |                            | SPUD DATE: 03/07/38     |       | COMP DATE: 05/22/38 |           |
| API#: 30-015-05212   |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 04/23/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:  | 0' - 580'  | 8 5/8"                     | 24#                     |       |                     |           |
| CASING:  | 0' - 3399' | 5 1/2"                     | 17#                     |       |                     |           |
| CASING:  |            |                            |                         |       |                     |           |
| TUBING:  |            |                            |                         |       |                     |           |
| TUBING:  |            |                            |                         |       |                     |           |



The diagram is a vertical cross-section of a wellbore. It shows several sections of casing and tubing. The top section is labeled 'CURRENT' and is shaded with a stippled pattern. Below it is a section labeled 'PROPOSED' and is outlined with a solid line. The diagram includes depth markers and labels for various wellbore features such as cement plugs, retainers, perforations, and completion points.

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 10/21/80**

CEMENT PLUG: 0'- 591'  
CEMENT RETAINER @ 564'.  
8 5/8" CASING, SET W/50 SXS. TOC @ UNKNOWN  
PERFORATE 5 1/2" CASING @ 589'- 591'

CEMENT RETAINER @ 1375', PUMP 200 SXS BELOW & CAP W/10 SXS.

PERFORATIONS: 3132'- 3142' (OA)

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

OPEN HOLE COMPLETION: 3399'- 3522'

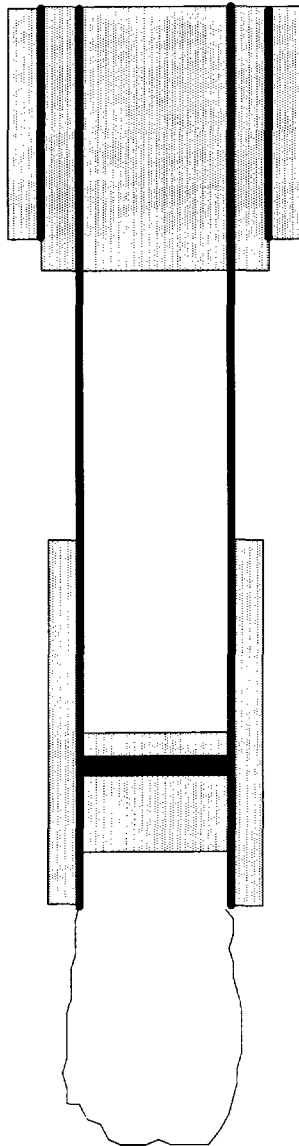
TD @ 3522'

## VI Wellbore Schematic of Plugged Wells:

### 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: 04/18/96 |

|         | 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 @ UNKNOWN  
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 @ UNKNOWN.

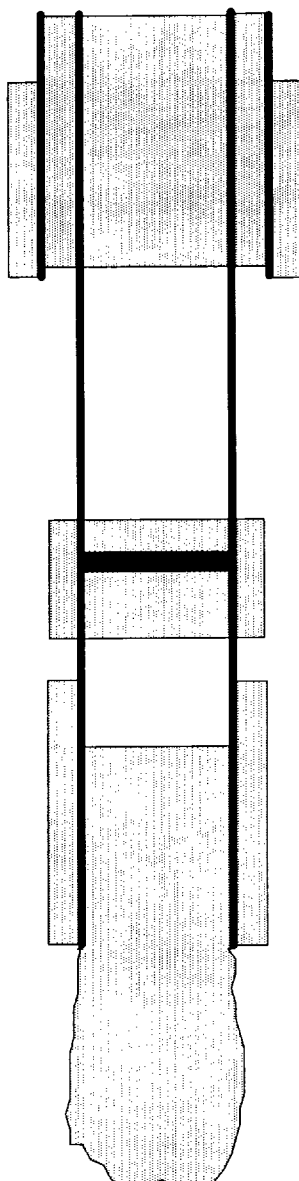
OPEN HOLE COMPLETION: 2957' - 3442'

TD @ 3442'

# 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

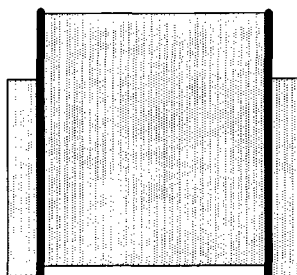
OPEN HOLE COMPLETION: 1859' - 1966'

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

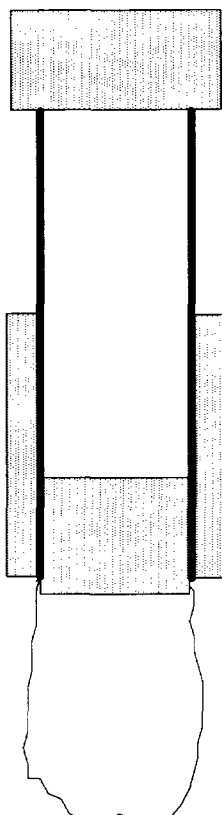


PROPOSED

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

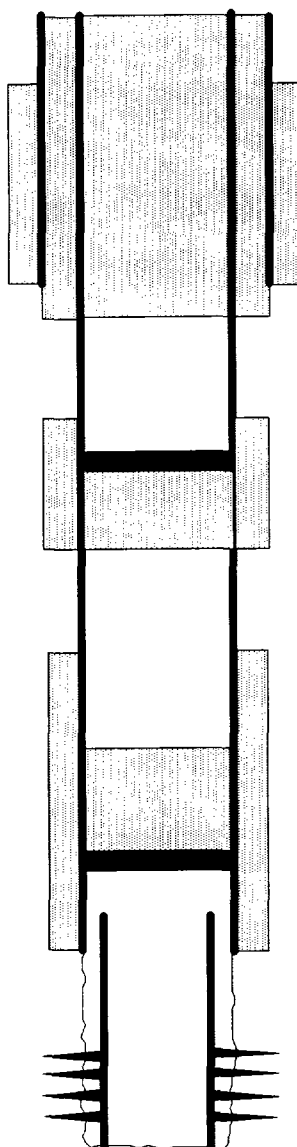
OPEN HOLE COMPLETION: 1837' - 1949'

TD @ 1949'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |               |                            |                         |       |                     |           |
|--|---------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: TURNER "A" #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: 04/23/96      |           |
|  | 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 @ UNKNOWN  
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 @ UNKNOWN

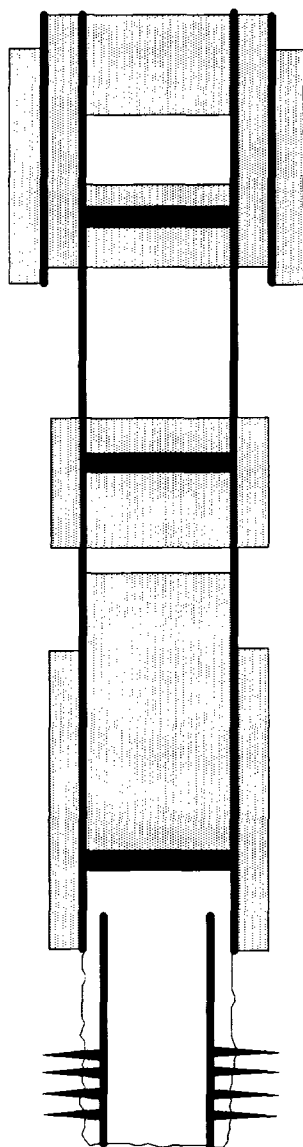
PERFORATIONS: 1872' - 1915' (W/140 QTS NITRO)

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

## 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'

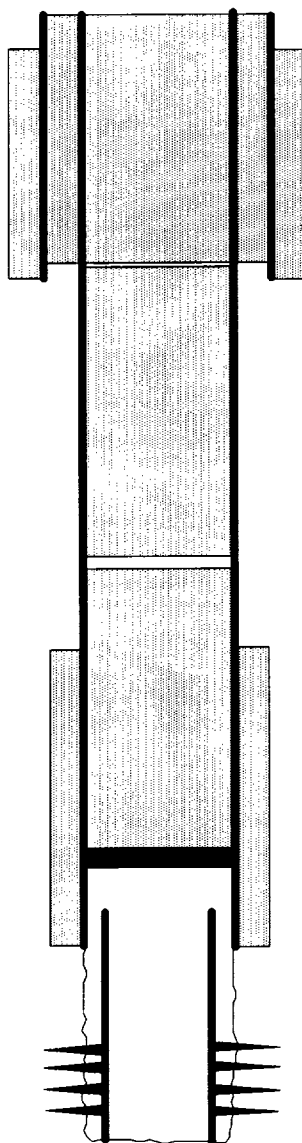


## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |  |                            |                         |                     |  |
|--|--|----------------------------|-------------------------|---------------------|--|
| WELL NAME: TURNER "A" #27                      |  |                            | FIELD: GRAYBURG-JACKSON |                     |  |
| LOCATION: 330'FSL & 1398'FWL, SEC 18-T17S-R31E |  |                            | COUNTY: EDDY            | STATE: NM           |  |
| ELEVATION: GL=3743'; KB=UNK                    |  |                            | SPUD DATE: 03/18/53     | COMP DATE: 04/13/53 |  |
| API#: 30-015-05223                             |  | PREPARED BY: C.H. CARLETON |                         | DATE: 04/23/96      |  |

|         | DEPTH         | SIZE   | WEIGHT | GRADE | THREAD | HOLE SIZE |
|---------|---------------|--------|--------|-------|--------|-----------|
| CASING: | 0' - 580'     | 8 5/8" | 28#    |       |        | 10"       |
| CASING: | 0' - 1930'    | 7"     | 20#    |       |        | 8"        |
| CASING: | 1925' - 1997' | 5 1/2" | 14#    |       |        | 6"        |
| TUBING: |               |        |        |       |        |           |
| TUBING: |               |        |        |       |        |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 07/02/86

CEMENT PLUG: 0' - 560'

PERFORATE 7" CASING @ 560'  
8 5/8" CASING, SET W/50 SXS. TOC @ UNKNOWN

CEMENT PLUG: 560' - 1350'

PERFORATE 7" CASING @ 1350'

CIBP @ 1900', CAP WITH 115 SXS. TOC @ +/-1350'

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

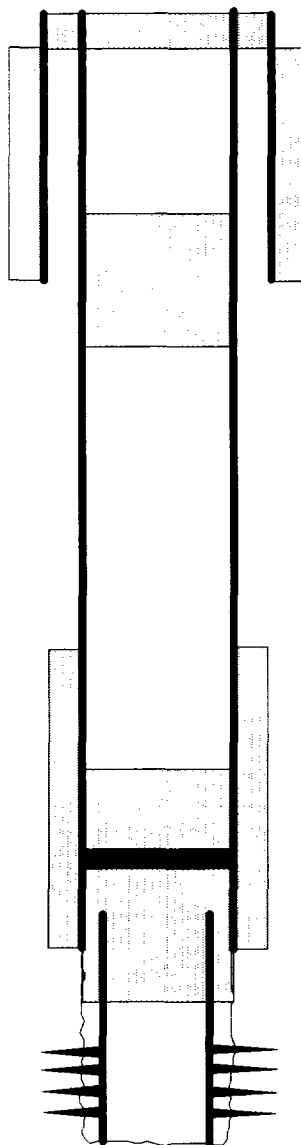
PERFORATIONS: 1956' - 1997'

5 1/2" LINER LANDED (NOT CEMENTED)  
TD @ 1997'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |               |                            |                         |       |                     |           |
|--|---------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: TURNER "A" #28                      |               |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 330'FSL & 2310'FEL, SEC 18-T17S-R31E |               |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3691'; KB=UNK                    |               |                            | SPUD DATE: 04/16/53     |       | COMP DATE: 05/11/53 |           |
| API#: 30-015-05225                             |               | PREPARED BY: C.H. CARLETON |                         |       | DATE: 04/23/96      |           |
|  | DEPTH         | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:  | 0' - 530'     | 9 5/8"                     | 25#                     |       |                     | 12 1/2"   |
| CASING:  | 0' - 1882'    | 7"                         | 20#                     |       |                     | 9"        |
| CASING:  | 1873' - 1949' | 5 1/2"                     | 14#                     |       |                     | 6"        |
| TUBING:  |               |                            |                         |       |                     |           |
| TUBING:  |               |                            |                         |       |                     |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 03/02/85

CEMENT PLUG: 0' - 50'  
CEMENT PLUG: 400' - 600'  
9 5/8" CASING, SET W/50 SXS. TOC @ UNKNOWN

CEMENT RETAINER @ 1850', PUMP 160 SXS BELOW & CAP W/200' CMT.

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

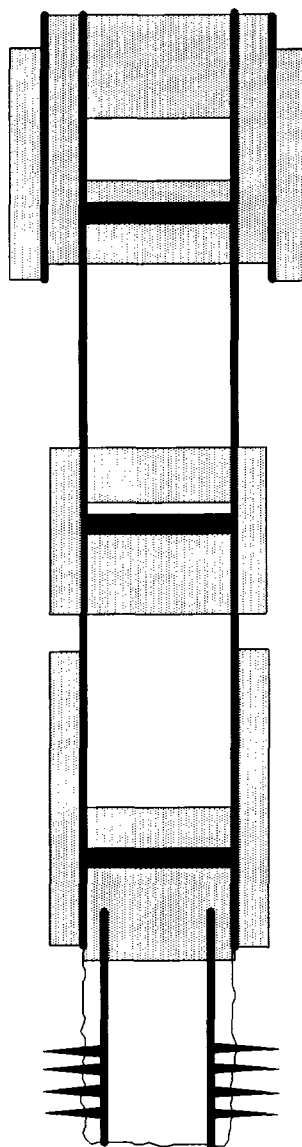
PERFORATIONS: 1907' - 1949'

5 1/2" LINER LANDED (NOT CEMENTED)  
TD @ 1949'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|   |               |                            |                         |       |                     |           |
|---|---------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: TURNER "A" #31                     |               |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 560'FSL & 660'FWL, SEC 18-T17S-R31E |               |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3760'; KB=UNK                   |               |                            | SPUD DATE: 06/07/53     |       | COMP DATE: 07/08/53 |           |
| API#: 30-015-05229                            |               | PREPARED BY: C.H. CARLETON |                         |       | DATE: 04/23/96      |           |
|   | DEPTH         | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:                                       | 0' - 578'     | 9 5/8"                     | 25#                     |       |                     | 12 1/2"   |
| CASING:                                       | 0' - 1938'    | 7"                         | 20#                     |       |                     | 9"        |
| CASING:                                       | 1925' - 1999' | 5 1/2"                     | 14#                     |       |                     | 6"        |
| TUBING:                                       |               |                            |                         |       |                     |           |
| TUBING:                                       |               |                            |                         |       |                     |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 09/16/81

CEMENT PLUG: 0' - 285'  
CEMENT RETAINER @ 468', PUMP 300 SXS BELOW & CAP W/50' CMT.  
PERFORATE 7" CASING @ 520'  
9 5/8" CASING, SET W/50 SXS. TOC @ UNKNOWN

CEMENT PLUG: 1350' - 1450'

CEMENT RETAINER @ 1488', PUMP 360 SXS BELOW RETAINER.

PERFORATE 7" CASING @ 1530'

CEMENT RETAINER @ 1884', PUMP 100 SXS BELOW & CAP W/55' CMT.

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

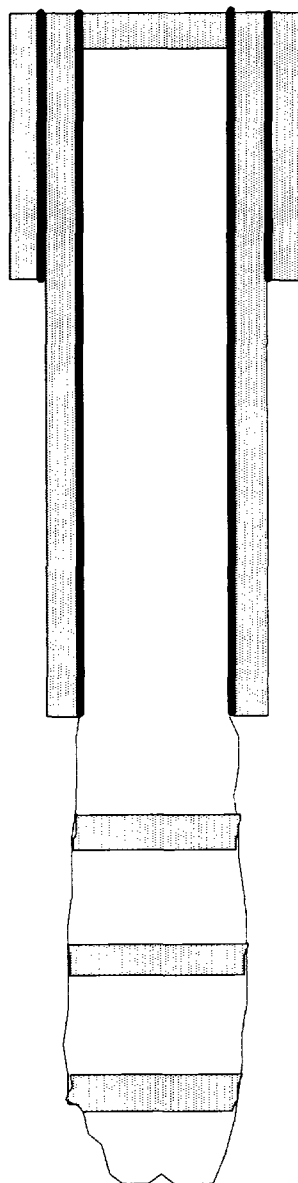
PERFORATIONS: 1954' - 1999' (W/270 QTS NITRO)

5 1/2" LINER LANDED (NOT CEMENTED)  
TD @ 1999'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

|  |            |                            |                         |       |                     |           |
|--|------------|----------------------------|-------------------------|-------|---------------------|-----------|
| WELL NAME: TURNER "A" #37                      |            |                            | FIELD: GRAYBURG-JACKSON |       |                     |           |
| LOCATION: 1980'FSL & 660'FWL, SEC 18-T17S-R31E |            |                            | COUNTY: EDDY            |       |                     | STATE: NM |
| ELEVATION: GL=3758'; KB=UNK                    |            |                            | SPUD DATE: 05/16/68     |       | COMP DATE: 07/11/68 |           |
| API#: 30-015-20142                             |            | PREPARED BY: C.H. CARLETON |                         |       | DATE: 04/23/96      |           |
|  | DEPTH      | SIZE                       | WEIGHT                  | GRADE | THREAD              | HOLE SIZE |
| CASING:  | 0' - 403'  | 13 3/8"                    | 48#                     |       |                     | 17 1/2"   |
| CASING:  | 0' - 2900' | 8 5/8"                     | 24,32#                  |       |                     | 11'       |
| CASING:  |            |                            |                         |       |                     |           |
| TUBING:  |            |                            |                         |       |                     |           |
| TUBING:  |            |                            |                         |       |                     |           |



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 07/11/69 (DRY & ABANDONED)

CEMENT PLUG: 0'- 20'

13 3/8" CASING, SET W/400 SXS. TOC @ SURFACE

8 5/8" CASING SET W/2000 SXS. TOC @ SURFACE

OPEN HOLE: 2900'- 9800'

CEMENT PLUG: 3850'- 3950'

CEMENT PLUG: 5500'- 5600'

CEMENT PLUG: 7000'- 7100'

TD @ 9800'

**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 2700'-3950'. 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 6, 7, 18, & 24-T17S-R31E. Offset operators in the “area of review” are as follows:

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

(2) The Blanco Company  
P.O. Box 1698  
Roswell, NM 88202-1698

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.



ENERGY CORPORATION

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

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

August 29, 1996

Certified Mail Z 737 086 410

The Blanco Company  
P.O. Box 1698  
Roswell, NM 88202-1698

RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Sections 6, 7, & 18 - 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 convert one well to water injection and restore injection to four 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):<br><br>1. <input type="checkbox"/> Addressee's Address<br>2. <input type="checkbox"/> Restricted Delivery<br>Consult postmaster for fee.  |  |
|   | 3. Article Addressed to:<br><b>THE BLANCO COMPANY</b><br><b>P.O. BOX 1698</b><br><b>ROSWELL, NM 88202-1698</b>  |  | 4a. Article Number<br><b>Z 737 086 410</b>  |  |
|   |   |  | 4b. Service Type<br><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified<br><input type="checkbox"/> Express Mail <input type="checkbox"/> Insured<br><input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD |  |
|   | 5. Received By: (Print Name)<br><b>Phil White</b>   |  | 7. Date of Delivery<br><b>9-2-96</b>  |  |
|   | 6. Signature: (Addressee or Agent)<br><b>X</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

August 29, 1996

**Certified Mail Z 737 086 409**

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

RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Sections 6, 7, & 18 - 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 convert one well to water injection and restore injection to four 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.

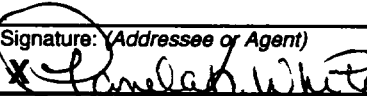
Sincerely,  
Devon Energy Corporation



Randy Jackson  
District Engineer

/chc

xc: Well File

|   |   |  |   |
|---|---|--|---|
| Is your RETURN ADDRESS completed on the reverse side? | <b>SENDER:</b><br>■ Complete items 1 and/or 2 for additional services.<br>■ Complete items 3, 4a, and 4b.<br>■ Print your name and address on the reverse of this form so that we can return this card to you.<br>■ Attach this form to the front of the mailpiece, or on the back if space does not permit.<br>■ Write "Return Receipt Requested" on the mailpiece below the article number.<br>■ The Return Receipt will show to whom the article was delivered and the date delivered. |  | I also wish to receive the following services (for an extra fee):<br>1. <input type="checkbox"/> Addressee's Address<br>2. <input type="checkbox"/> Restricted Delivery<br>Consult postmaster for fee.  |
|   | 3. Article Addressed to:<br>BURNETT OIL COMPANY, INC.<br>801 CHERRY STREET, SUITE 1500<br>FT WORTH, TX 76102  |  | 4a. Article Number<br>Z 737 086 409   |
|   |   |  | 4b. Service Type<br><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified<br><input type="checkbox"/> Express Mail <input type="checkbox"/> Insured<br><input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD |
|   |   |  | 7. Date of Delivery<br>AUG 29 1996  |
|   | 5. Received By: (Print Name)<br>6. Signature: (Addressee or Agent)<br>   |  | 8. Addressee's Address (Only if requested and fee is paid)  |



# Affidavit of Publication

No 17595

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:

September 4, 1996  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_

That the cost of publication is \$ 25.70,  
and that payment thereof has been made and will  
be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

10<sup>th</sup> day of September, 1996

Donna A. Crump

My commission expires 08/01/98  
Notary Public

September 4, 1996

Notice is hereby given that Devon Energy Operating Corporation is applying to the New Mexico Oil Conservation Division to convert one well to water injection and restore four shutin injection wells for secondary recovery purposes in:

Sections 6, 7, & 18 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