

wfx 4.9.96



ENERGY OPERATING CORPORATION

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

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

March 19, 1996

Certified Mail Z 731 697 771

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

RECEIVED

MAR 26 1996

OIL CONSERVATION DIV
SANTA FE

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

Dear Sir:

Enclosed are two copies of the "Application For Authorization To Inject" covering the Keel A & B leases in Sections 5,6,7, & 8 in T17S - R31E, Eddy County, NM.

Please direct any questions regarding this matter to the undersigned at (405) 552-4521.

Sincerely,
Devon Energy Corporation

A handwritten signature in cursive script, appearing to read "Fred Cornell".

Fred Cornell
District Engineer

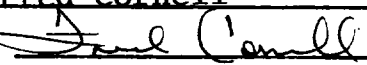
/chc
enclosures

xc: Well File

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: Fred Cornell Phone: (405) 552-4521
- III. Well data: Complete the data required on the reverse side of this form for each well proposed 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 source 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: Fred Cornell Title: District Engineer
Signature:  Date: March 18, 1996

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and 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, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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:

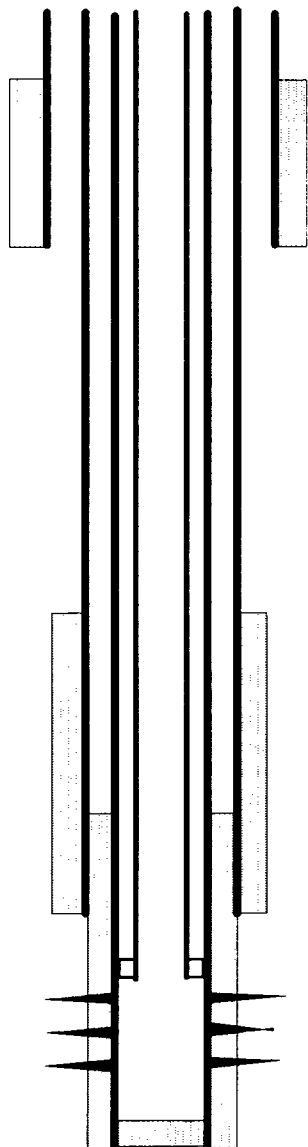
- A. (1) J.L. Keel "A" #10
1980' FSL & 660' FEL
Section 7 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
10 3/4" 40.5# H-40 @ 537'. Set with 350 sxs, TOC @ unknown.
Hole Size = unknown
- Intermediate Casing:
7" 26# J-55 @ 2809'. Set with 200 sxs, TOC @ unknown.
Hole Size = unknown
- Production Casing:
4 1/2" 9.5# @ 3580'. Set with 325 sxs, TOC @ 1850'.
Hole Size = 6"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2750'.
- (4) 4 1/2" Baker AD-1 tension packer @ 2750'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2834'- 3571' (OA).
The injection interval is 2750'- 3580'.
- (3) This well was originally drilled and completed as a water injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2750'- 3580' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #10			FIELD: GRAYBURG-JACKSON		
LOCATION: 1980'FSL & 660'FEL, SEC 7-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3711'; KB=UNK			SPUD DATE: 08/03/50	COMP DATE: 10/11/50	
API#: 30-015-05098	PREPARED BY: C.H. CARLETON			DATE: 03/11/96	

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 537'	10 3/4"	40.5#	H-40		
CASING:	0' - 2809'	7"	26#	J-55		
CASING:	0' - 3580'	4 1/2"	9.5#			6"
TUBING:	0' - 2820'	2 3/8"	4.7#			
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/350 SXS. TOC @ UNKNOWN

7" CASING SET W/200 SXS. TOC @ UNKNOWN

BAKER MODEL R-3 PACKER @ 2820'

PERFORATIONS: 2908'- 3571' (OA)

PBTD @ 3578'

4 1/2" CASING SET W/325 SXS. TOC @ 1850'

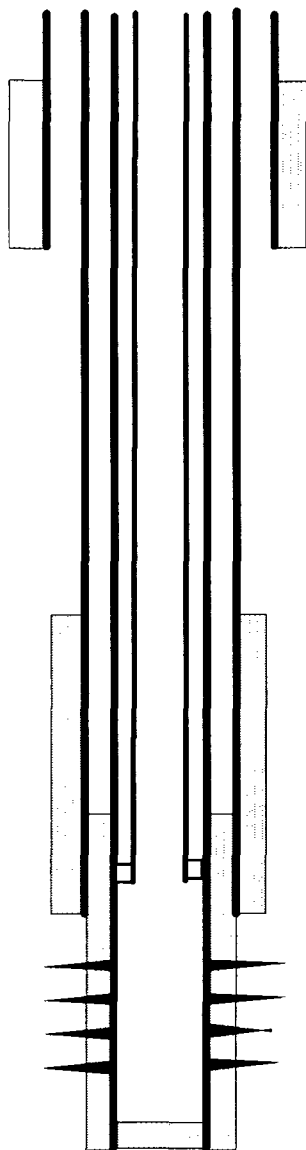
TD @ 3580'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #10		FIELD: GRAYBURG-JACKSON	
LOCATION: 1980'FSL & 660'FEL, SEC 7-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3711'; KB=UNK		SPUD DATE: 08/03/50	COMP DATE: 10/11/50
API#: 30-015-05098	PREPARED BY: C.H. CARLETON		DATE: 03/11/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 537'	10 3/4"	40.5#	H-40		
CASING:	0' - 2809'	7"	26#	J-55		
CASING:	0' - 3580'	4 1/2"	9.5#			6"
TUBING:	0' - 2750'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/350 SXS. TOC @ UNKNOWN

BAKER MODEL AD-1 PACKER @ 2750'

7" CASING SET W/200 SXS. TOC @ UNKNOWN

PERFORATIONS: 2834'- 3580' (OA)

PBTD @ 3578'

4 1/2" CASING SET W/325 SXS. TOC @ 1850'

TD @ 3580'

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

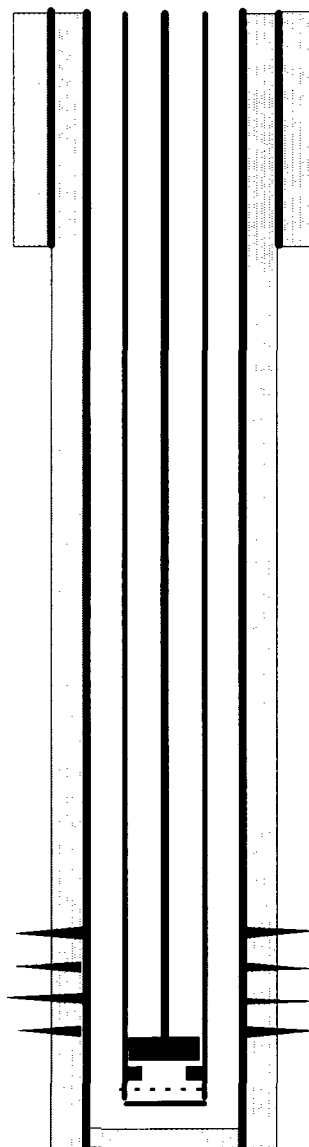
III Well Data:

- A. (1) J.L. Keel "A" #28
1989' FSL & 2001' FEL
Section 7 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
13 3/8" 48# H-40 @ 443'. Set with 200 sxs, TOC @ surface.
Hole Size = 17 1/2"
- Production Casing:
5 1/2" 15.5# J-55 @ 3764'. Set with 320 sxs, TOC @ surface.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2750'.
- (4) 5 1/2" Baker AD-1 tension packer @ 2750'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2770'- 3550' (OA).
The injection interval is 2700'- 3650'.
- (3) This well was originally drilled and completed as an oil well,
producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2700'- 3650'
interval.
- (5) The top of the Seven Rivers formation is at approximately
2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #28			FIELD: GRAYBURG-JACKSON			
LOCATION: 1989'FSL & 2001'FEL, SEC 7-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3702'; KB=3716'			SPUD DATE: 09/09/95		COMP DATE: 10/03/95	
API#: 30-015-28231		PREPARED BY: C.H. CARLETON			DATE: 03/11/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 443'	13 3/8"	48#	H-40	ST&C	17 1/2"
CASING:	0' - 3764'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3563'	2 7/8"	6.5#	J-55	8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/200 SXS. TOC @ SURFACE.

PERFORATIONS: 2848' - 3550' (OA)

SEAT NIPPLE @ 3563"

PBTD @ 3720"

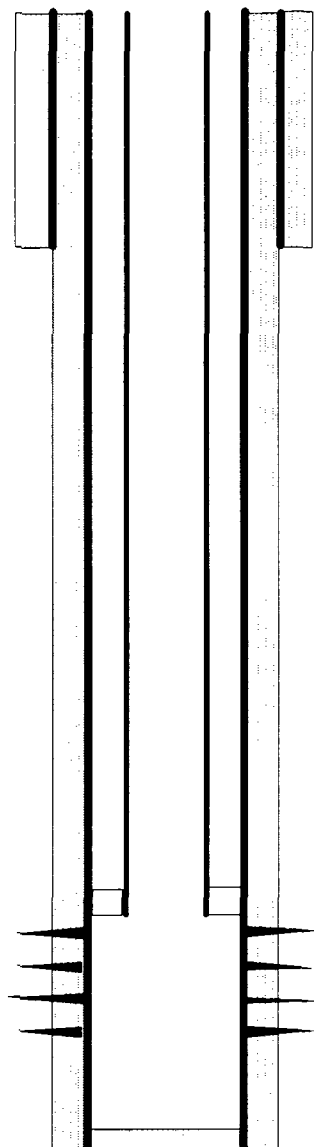
5 1/2" CASING SET W/320 SXS. TOC @ SURFACE

TD @ 3765'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #28			FIELD: GRAYBURG-JACKSON			
LOCATION: 1989'FSL & 2001'FEL, SEC 7-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3702'; KB=3716'			SPUD DATE: 09/09/95		COMP DATE: 10/03/95	
API#: 30-015-28231		PREPARED BY: C.H. CARLETON			DATE: 03/11/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 443'	13 3/8"	48#	H-40	ST&C	17 1/2"
CASING:	0' - 3764'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2750'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/200 SXS. TOC @ SURFACE.

BAKER MODEL AD-1 PACKER @ 2750'

PERFORATIONS: 2770'- 3550' (OA)

PBTD @ 3720"

5 1/2" CASING SET W/320 SXS. TOC @ SURFACE

TD @ 3765'

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

III Well Data:

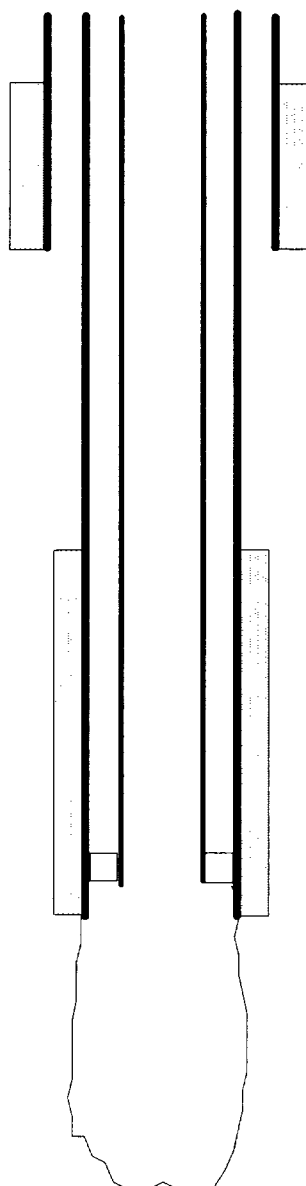
- A. (1) J.L. Keel "B" #5
1980' FSL & 660' FWL
Section 8 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 28# H-40 @ 557'. Set with 100 sxs, TOC @ unknown.
Hole Size = unknown
- Production Casing:
7" 26# J-55 @ 2802'. Set with 206 sxs, TOC @ unknown.
Hole Size = unknown
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2750'.
- (4) 7" Baker J-LOC tension packer @ 2750'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through open hole @ 2802' - 3504' (OA).
The injection interval is 2750' - 3651'.
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2750' - 3651' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #5			FIELD: GRAYBURG-JACKSON		
LOCATION: 1980'FSL & 660'FWL, SEC 8-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3720'; KB=UNK			SPUD DATE: 12/28/50	COMP DATE: 03/05/51	
API#: 30-015-05106		PREPARED BY: C.H. CARLETON			DATE: 03/11/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 557'	8 5/8"	28#	H-40		
CASING:	0' - 2802'	7"	26#	J-55		
CASING:						
TUBING:	0' - 2755'	2 7/8"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

BAKER MODEL AD-1 PACKER @ 2755'

7" CASING SET W/206 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 2802' - 3504'

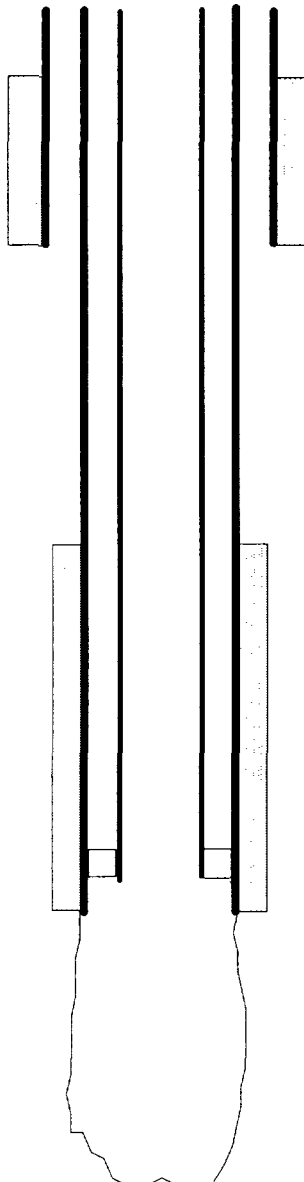
PBTD @ 3504'

TD @ 3650'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #5			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 660'FWL, SEC 8-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3720'; KB=UNK			SPUD DATE: 12/28/50		COMP DATE: 03/05/51	
API#: 30-015-05106		PREPARED BY: C.H. CARLETON			DATE: 03/11/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 557'	8 5/8"	28#	H-40		
CASING:	0' - 2802'	7"	26#	J-55		
CASING:						
TUBING:	0' - 2750'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

BAKER MODEL J-LOC PACKER @ 2750'

7" CASING SET W/206 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 2802' - 3504'

PBTD @ 3504'

TD @ 3650'

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

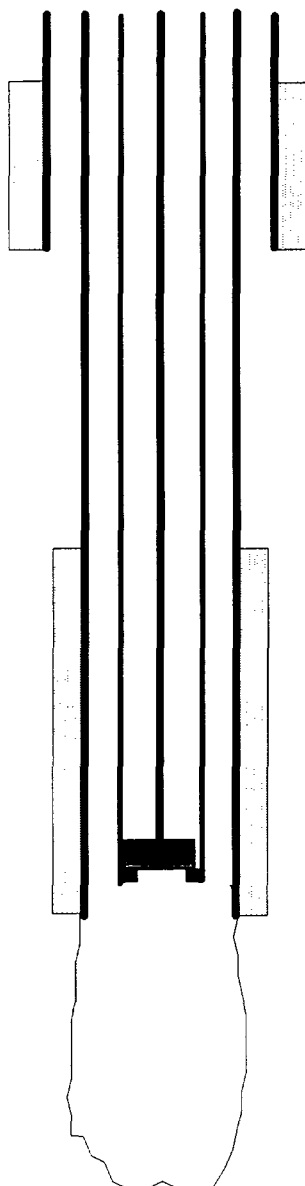
III Well Data:

- A. (1) J.L. Keel "B" #9
1980' FNL & 660' FEL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
10 3/4" 32.75# @ 659'. Set with 100 sxs, TOC @ unknown.
Hole Size = 12"
- Production Casing:
7" 24# J-55 @ 3082'. Set with 200 sxs, TOC @ unknown.
Hole Size = 8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 3050'.
- (4) 7" Baker J-LOC tension packer @ 3050'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through open hole @ 3082'- 3950' (OA).
The injection interval is 3000'- 3950'.
- (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 3000'- 3950' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #9				FIELD: GRAYBURG-JACKSON		
LOCATION: 1980'FNL & 660'FEL, SEC 5-T17S-R31E				COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3905'; KB=UNK				SPUD DATE: 07/19/51	COMP DATE: 08/29/51	
API#:		PREPARED BY: C.H. CARLETON			DATE: 03/11/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 659'	10 3/4"	32.75#	H-40		12"
CASING:	0' - 3082'	7"	24#	J-55		8"
CASING:						
TUBING:	0' - 3079'	2 7/8"	6.5#	J-55	8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ UNKNOWN

SEAT NIPPLE @ 3079'

7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3082'- 3500'

TD @ 3500'

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #9			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 660'FEL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3905'; KB=UNK			SPUD DATE: 07/19/51		COMP DATE: 08/29/51	
API#:		PREPARED BY: C.H. CARLETON				DATE: 03/11/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 659'	10 3/4"	32.75#	H-40		12"
CASING:	0' - 3082'	7"	24#	J-55		8"
CASING:						
TUBING:	0' - 3050'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

The diagram illustrates the wellbore structure. It features two main vertical columns representing casing and tubing. The casing column is on the left, and the tubing column is on the right. Both columns are marked with depth intervals. The casing column shows intervals from 0' to 659' and 0' to 3082'. The tubing column shows an interval from 0' to 3050'. The bottom of the tubing column is marked with 'TD @ 3950''. The diagram also includes a legend for 'CURRENT' (open square) and 'PROPOSED' (filled square) conditions. The operator is identified as 'DEVON ENERGY OPERATING CORPORATION'. The completion type is 'OPEN HOLE COMPLETION: 3082'- 3950''. The well name is 'J.L. KEEL "B" #9' and the field is 'GRAYBURG-JACKSON'.

☐

CURRENT

☒

PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ UNKNOWN

BAKER MODEL J-LOC PACKER @ 3050'
7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3082'- 3950'

TD @ 3950'

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

III Well Data:

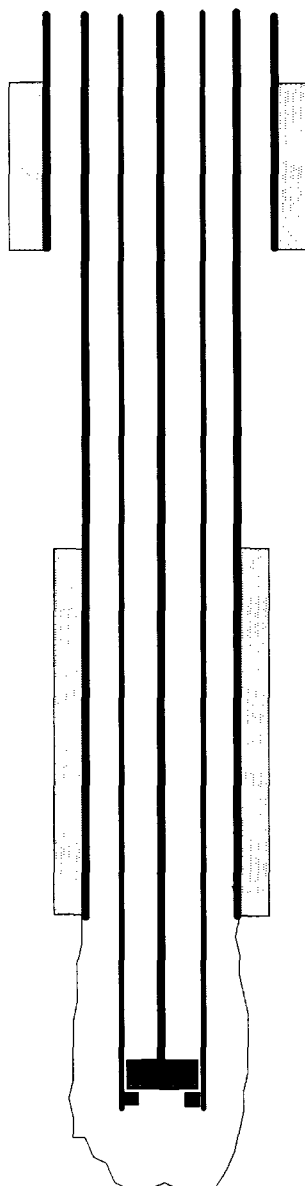
- A. (1) J.L. Keel "B" #10
660' FNL & 1980' FEL
Section 8 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
10 3/4" 32.75# @ 594'. Set with 100 sxs, TOC @ unknown.
Hole Size = 12 1/2"
- Production Casing:
7" 26# J-55 @ 3019'. Set with 206 sxs, TOC @ unknown.
Hole Size = 8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2950'.
- (4) 7" Baker J-LOC tension packer @ 2950'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through open hole @ 3019'- 3813' (OA).
The injection interval is 2950'- 3800'.
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950'- 3800' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #10			FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FNL & 1980'FEL, SEC 8-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3812'; KB=UNK			SPUD DATE: 08/11/51	COMP DATE: 09/29/51	
API#: 30-015-05110	PREPARED BY: C.H. CARLETON			DATE: 03/11/96	

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 594'	10 3/4"	32.75#	H-40		12 1/2"
CASING:	0' - 3019'	7"	26#	J-55		8"
CASING:						
TUBING:	0' - 3305'	2 7/8"	6.5#	J-55	8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ UNKNOWN

7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3019'- 3413'

SEAT NIPPLE @ 3305'

TOP OF JUNK IN HOLE @ 3346'

TD @ 3413'

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #10			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 8-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3812'; KB=UNK			SPUD DATE: 08/11/51		COMP DATE: 09/29/51	
API#: 30-015-05110		PREPARED BY: C.H. CARLETON				DATE: 03/11/96
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 594'	10 3/4"	32.75#	H-40		12 1/2"
CASING:	0' - 3019'	7"	26#	J-55		8"
CASING:						
TUBING:	0' - 2950'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

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CURRENT

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PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/100 SXS. TOC @ UNKNOWN

BAKER MODEL J-LOC PACKER @ 2950'
7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3019'- 3813'

TD @ 3813'

TD @ 3813'

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

III Well Data:

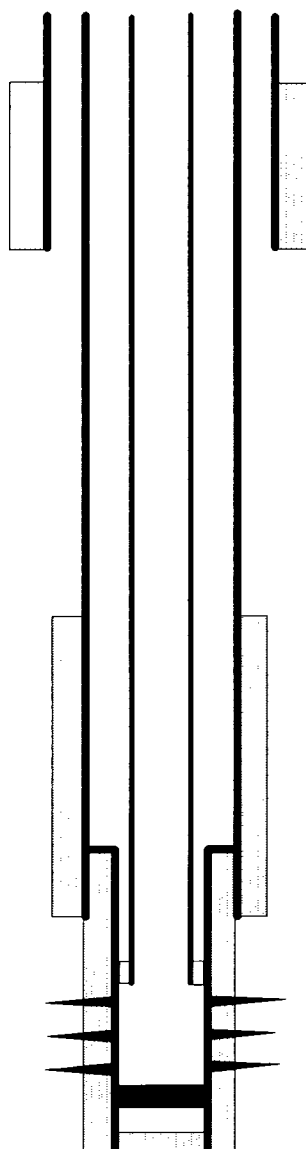
- A. (1) J.L. Keel "B" #13
660' FSL & 1980' FEL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 609'. Set with 100 sxs, TOC @ unknown.
Hole Size = 10"
- Production Casing:
7" 20# J-55 @ 2992'. Set with 200 sxs, TOC @ unknown.
Hole Size = 8 5/8"
- Liner:
5" 11.5# @ 2942' - 3735'. Set with 200 sxs.
Hole Size = 6 1/2"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2950'.
- (4) 5" Baker AD-1 tension packer @ 2950'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2992' - 3731' (OA). The injection interval is 2950' - 3737'.
- (3) This well was originally drilled and completed as a Grayburg/San Andres oil well, but has since been converted to a water injection well injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950' - 3737' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #13			FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 1980'FEL, SEC 5-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3845'; KB=UNK			SPUD DATE: 11/10/51	COMP DATE: 01/26/52	
API#: 30-015-05078	PREPARED BY: C.H. CARLETON			DATE: 03/12/96	

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 609'	8 5/8"	24#	J-55		10"
CASING:	0' - 2992'	7"	20#	J-55		8 5/8"
CASING:	2942' - 3735'	5"	11.5#			6 1/2"
TUBING:	0' - 3004'	2"				
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

TOP OF 5" LINER @ 2942'

7" CASING SET W/200 SXS. TOC @ UNKNOWN

GUIBERSON PACKER @ 3004'

PERFORATIONS: 3045'- 3715' (OA)

CIBP @ 3715'

5" LINER SET W/200 SXS.

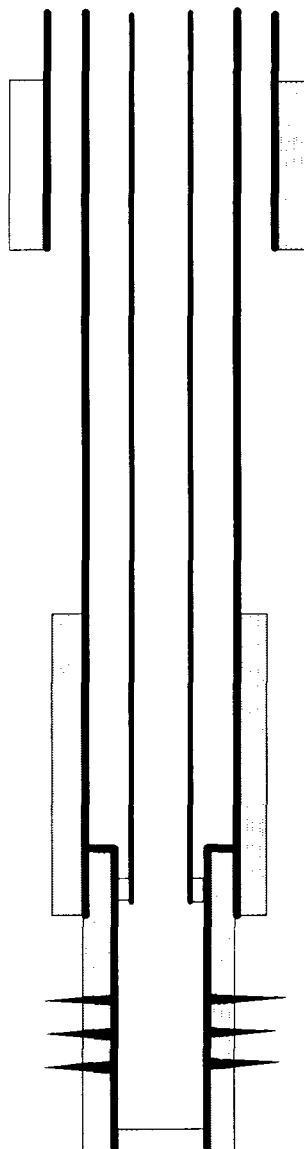
TD @ 3737'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #13	FIELD: GRAYBURG-JACKSON
LOCATION: 660'FSL & 1980'FEL, SEC 5-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3845'; KB=UNK	SPUD DATE: 11/10/51 COMP DATE: 01/26/52
API#: 30-015-05078	PREPARED BY: C.H. CARLETON DATE: 03/12/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 609'	8 5/8"	24#	J-55		10"
CASING:	0' - 2992'	7"	20#	J-55		8 5/8"
CASING:	2942' - 3735'	5"	11.5#			6 1/2"
TUBING:	0' - 2950'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

TOP OF 5" LINER @ 2942'

BAKER MODEL AD-1 PACKER @ 2950'

7" CASING SET W/200 SXS. TOC @ UNKNOWN

PERFORATIONS: 2992' - 3731' (OA)

5" LINER SET W/200 SXS.

TD @ 3737'

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

III Well Data:

- A. (1) J.L. Keel "B" #14
660' FSL & 660' FEL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# @ 654'. Set with 100 sxs, TOC @ unknown.
Hole Size = 10"
- Production Casing:
7" 20# @ 3059'. Set with 200 sxs, TOC @ unknown.
Hole Size = 8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 3000'.
- (4) 7" Baker J-LOC tension packer @ 3000'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through open hole @ 3059'- 3728' (OA).
The injection interval is 3000'- 3728'.
- (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 3000'- 3728'
interval.
- (5) The top of the Seven Rivers formation is at approximately
2300', there are no known lower zones.

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #14			FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 660'FEL, SEC 5-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3868'; KB=UNK			SPUD DATE: 02/04/52	COMP DATE: 04/18/52	
API#: 30-015-05079		PREPARED BY: C.H. CARLETON			DATE: 03/12/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 654'	8 5/8"	24#			10"
CASING:	0' - 3059'	7"	20#			8"
CASING:						
TUBING:	0' - 3373'	2 7/8"	6.5#	J-55	8rd	
TUBING:						

The diagram illustrates the wellbore structure. It features two main vertical columns: an outer casing column and an inner tubing column. The casing column is labeled with '8 5/8" CASING' and '7" CASING'. The tubing column is labeled with '2 7/8" TUBING'. Depth markers are indicated along the casing column at 654', 3059', and 3373'. A solid black rectangle at the bottom of the tubing column represents the wellhead or completion. The wellbore is shown within a larger rectangular frame, with a small rectangular area at the top left and bottom right corners.

CURRENT

PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3059'- 3728'

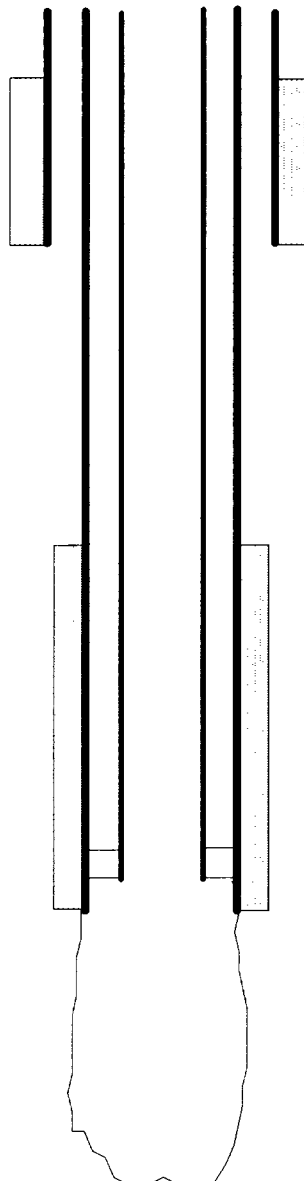
SEAT NIPPLE @ 3373'

TD @ 3728'

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #14			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FEL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3868'; KB=UNK			SPUD DATE: 02/04/52		COMP DATE: 04/18/52	
API#: 30-015-05079		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 654'	8 5/8"	24#			10"
CASING:	0' - 3059'	7"	20#			8"
CASING:						
TUBING:	0' - 3000'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT

 PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

BAKER MODEL J-LOC PACKER @ 3000'
7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3059'- 3728'

TD @ 3728'

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

III Well Data:

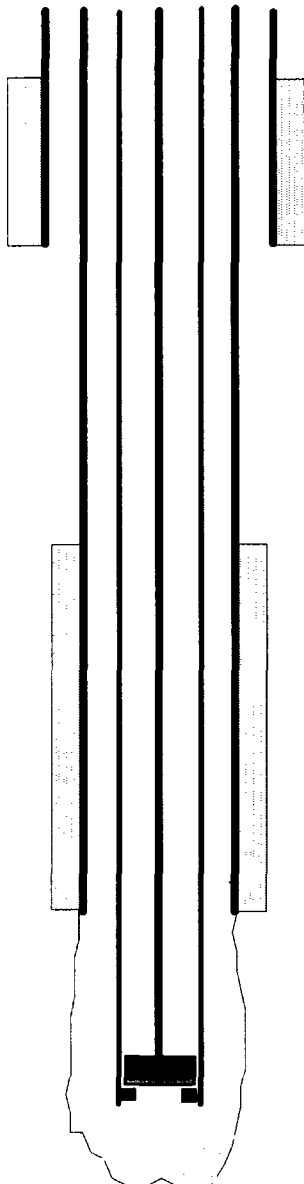
- A. (1) J.L. Keel "B" #19
1980' FSL & 1980' FEL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 22# @ 624'. Set with 100 sxs, TOC @ surface.
Hole Size = 10"
- Production Casing:
7" 20# @ 3006'. Set with 200 sxs, TOC @ unknown.
Hole Size = 8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2950'.
- (4) 7" Baker J-LOC tension packer @ 2950'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through open hole @ 3006' - 3700' (OA).
The injection interval is 2950' - 3950'.
- (3) This well was originally drilled and completed as an oil well,
producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950' - 3950'
interval.
- (5) The top of the Seven Rivers formation is at approximately
2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #19			FIELD: GRAYBURG-JACKSON		
LOCATION: 1980'FSL & 1980'FEL, SEC 5-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3866'; KB=UNK			SPUD DATE: 03/13/54	COMP DATE: 06/21/54	
API#: 30-015-05081		PREPARED BY: C.H. CARLETON			DATE: 03/12/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 624'	8 5/8"	22#			10"
CASING:	0' - 3006'	7"	20#			8"
CASING:						
TUBING:	0' - 3187'	2 3/8"	4.7#	J-55	8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3006' - 3700'

SEAT NIPPLE @ 3187'

TOP OF FILL(FRAC SAND) @ 3316"

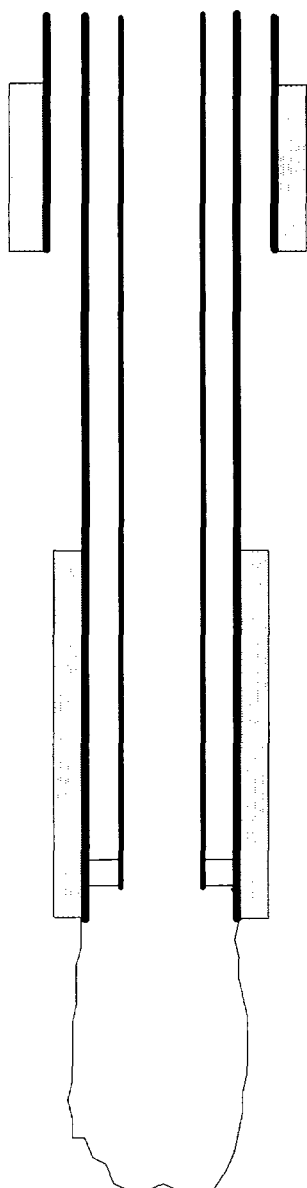
TD @ 3700'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #19	FIELD: GRAYBURG-JACKSON
LOCATION: 1980'FSL & 1980'FEL, SEC 5-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3866'; KB=UNK	SPUD DATE: 03/13/54 COMP DATE: 06/21/54
API#: 30-015-05081	PREPARED BY: C.H. CARLETON DATE: 03/12/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 624'	8 5/8"	22#			10"
CASING:	0' - 3006'	7"	20#			8"
CASING:						
TUBING:	0' - 2950'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

BAKER MODEL J-LOC PACKER @ 2950'

7" CASING SET W/200 SXS. TOC @ UNKNOWN.

OPEN HOLE COMPLETION: 3006' - 3700'

TD @ 3700'

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

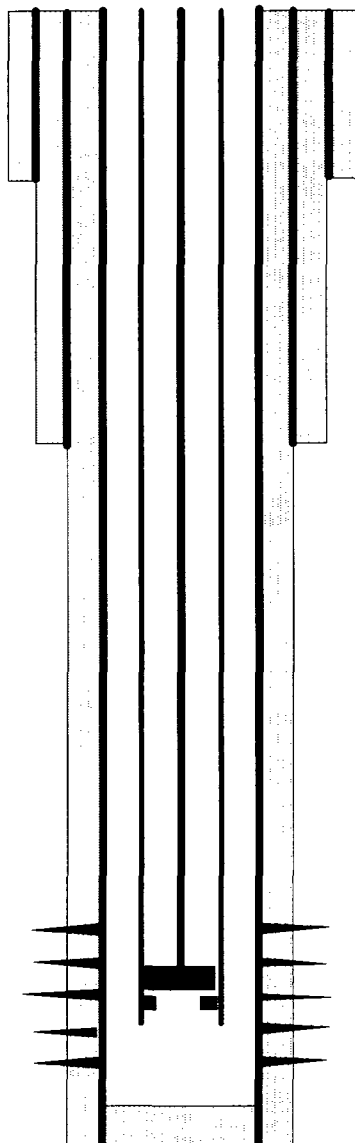
III Well Data:

- A. (1) J.L. Keel "A" #31
1980' FNL & 1980' FEL
Section 6 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
13 3/8" 54.5# @ 450'. Set with 500 sxs, TOC @ surface.
Hole Size = 17 1/2"
- Intermediate Casing:
8 5/8" 24# @ 1515'. Set with 1000 sxs, TOC @ surface.
Hole Size = 11"
- Production Casing:
5 1/2" 15.5# @ 3550'. Set with 800 sxs, TOC @ surface.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2800'.
- (4) 5 1/2" Baker AD-1 tension packer @ 2800'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2853'- 3260' (OA), and open hole 3550'- 3700'. The injection interval is 2800'- 3700'.
- (3) This well was originally drilled and completed as an oil well, from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2800'- 3700' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #31			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3776'; KB=3791'			SPUD DATE: 04/24/85		COMP DATE: 05/17/85	
API#: 30-015-25247		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 450'	13 3/8"	54.4#	J-55	ST&C	17 1/2"
CASING:	0' - 1515'	8 5/8"	24#	J-55	ST&C	11"
CASING:	0' - 3550'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
TUBING:	0' - 3200'	2 7/8"	6.5#			
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/500 SXS. TOC @ SURFACE.

8 5/8" CASING, SET W/1000 SXS. TOC @ SURFACE.

PERFORATIONS: 2977'- 3260' (OA)

SEAT NIPPLE @ 3200"

PBTD @ 3482'

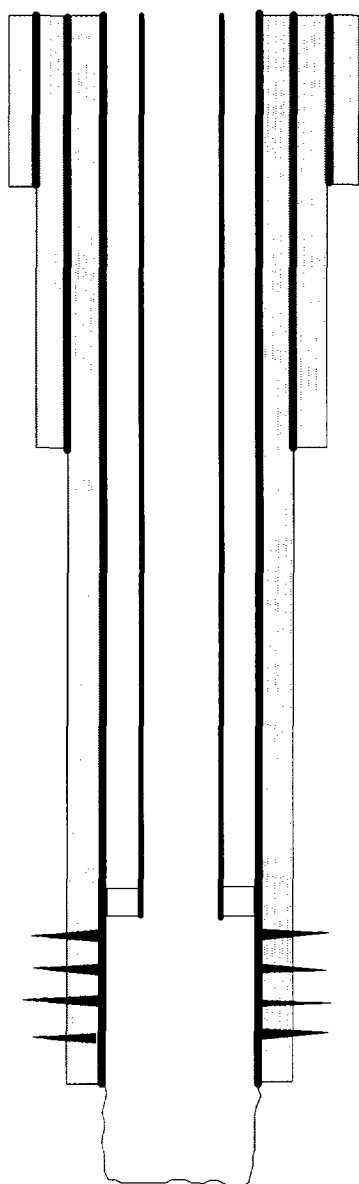
5 1/2" CASING SET W/800 SXS. TOC @ SURFACE

TD @ 3550'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #31			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3776'; KB=3791'			SPUD DATE: 04/24/85		COMP DATE: 05/17/85	
API#: 30-015-25247		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 450'	13 3/8"	54.4#	J-55	ST&C	17 1/2"
CASING:	0' - 1515'	8 5/8"	24#	J-55	ST&C	11"
CASING:	0' - 3550'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
TUBING:	0' - 2800'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/500 SXS. TOC @ SURFACE.

8 5/8" CASING, SET W/1000 SXS. TOC @ SURFACE.

BAKER MODLE AD-1 PACKER @ 2800'

PERFORATIONS: 2853'- 3260' (OA)

5 1/2" CASING SET W/800 SXS. TOC @ SURFACE

OPEN HOLE COMPLETION: 3550'- 3700'

TD @ 3700'

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

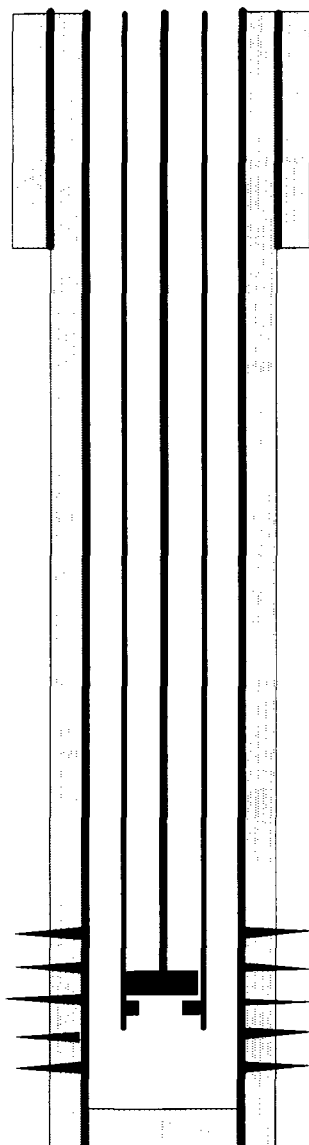
III Well Data:

- A. (1) J.L. Keel "B" #34
1880' FNL & 660' FEL
Section 6 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 458'. Set with 700 sxs, TOC @ surface.
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 17# @ 3664'. Set with 1000 sxs, TOC @ surface.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2800'.
- (4) 5 1/2" Baker AD-1 tension packer @ 2800'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2866'- 3657' (OA).
The injection interval is 2800'- 3664'.
- (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 2866'- 3664'
interval.
- (5) The top of the Seven Rivers formation is at approximately
2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #34			FIELD: GRAYBURG-JACKSON			
LOCATION: 1880'FNL & 660'FEL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3773'; KB=3784			SPUD DATE: 08/23/88		COMP DATE: 09/08/88	
API#: 30-015-25447		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 458'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 3664'	5 1/2"	17#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3561'	2 3/8"	4.7#			
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/700 SXS. TOC @ SURFACE.

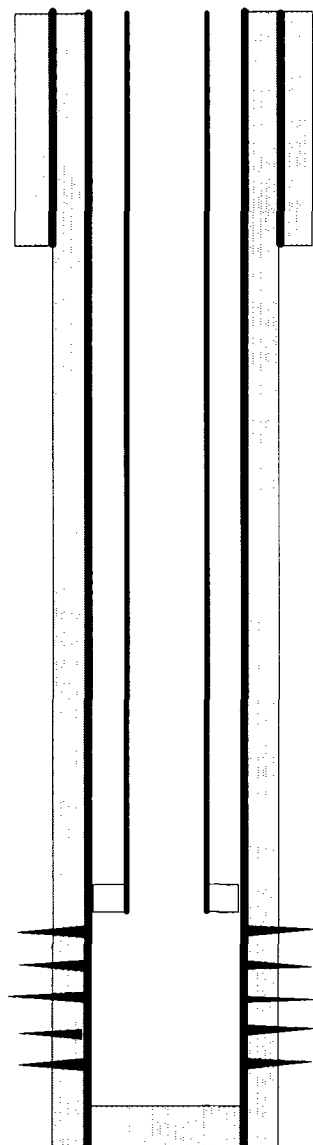
PERFORATIONS: 2997'- 3615' (OA)
SEAT NIPPLE @ 3561"

PBTD @ 3621'
5 1/2" CASING SET W/1000 SXS. TOC @ SURFACE
TD @ 3664'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #34			FIELD: GRAYBURG-JACKSON			
LOCATION: 1880'FNL & 660'FEL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3773'; KB=3784			SPUD DATE: 08/23/88		COMP DATE: 09/08/88	
API#: 30-015-25447		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 458'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 3664'	5 1/2"	17#	J-55		7 7/8"
CASING:						
TUBING:	0' - 2800'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/700 SXS. TOC @ SURFACE.

BAKER MODEL AD-1 PACKER @ 2800'

PERFORATIONS: 2866'- 3657' (OA)

5 1/2" CASING SET W/1000 SXS. TOC @ SURFACE
TD @ 3664'

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

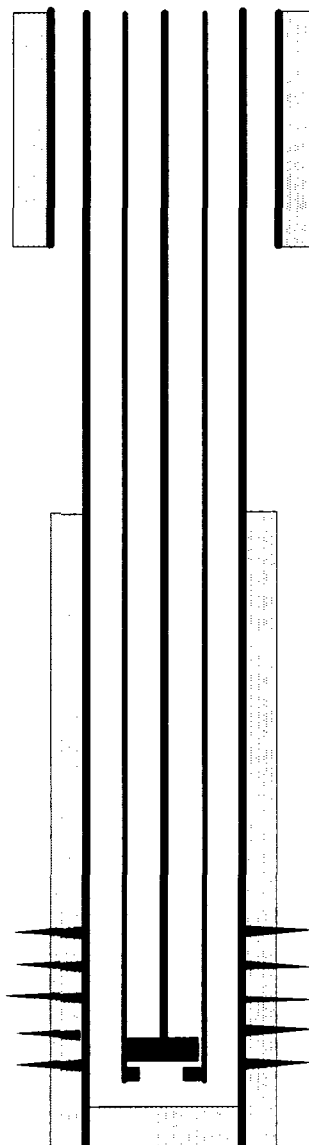
III Well Data:

- A. (1) J.L. Keel "B" #36
1980' FNL & 1980' FWL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 420'. Set with 400 sxs, TOC @ surface.
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 15.5# J-55 @ 3760'. Set with 550 sxs, TOC @ 1200'.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2900'.
- (4) 5 1/2" Baker AD-1 tension packer @ 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2977'- 3709' (OA).
The injection interval is 2900'- 3760'.
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2900'- 3760' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #36			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FWL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3840'; KB=3848			SPUD DATE: 06/12/87		COMP DATE: 06/29/87	
API#: 30-015-25760		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 420'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3760'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3640'	2 3/8"	4.7#			
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/400 SXS. TOC @ SURFACE.

PERFORATIONS: 3134'- 3619' (OA)

SEAT NIPPLE @ 3640"

PBTD @ 3718'

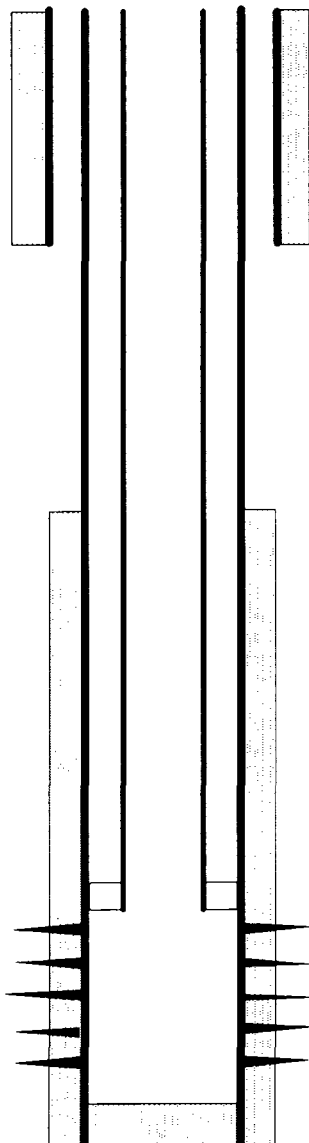
5 1/2" CASING SET W/550 SXS. TOC @ 1200'

TD @ 3760'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #36			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FWL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3840'; KB=3848			SPUD DATE: 06/12/87		COMP DATE: 06/29/87	
API#: 30-015-25760		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 420'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3760'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/400 SXS. TOC @ SURFACE.

BAKER MODEL AD-1 PACKER @ 2900'

PERFORATIONS: 2977' - 3709' (OA)

PBTD @ 3718'

5 1/2" CASING SET W/550 SXS. TOC @ 1200'

TD @ 3760'

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

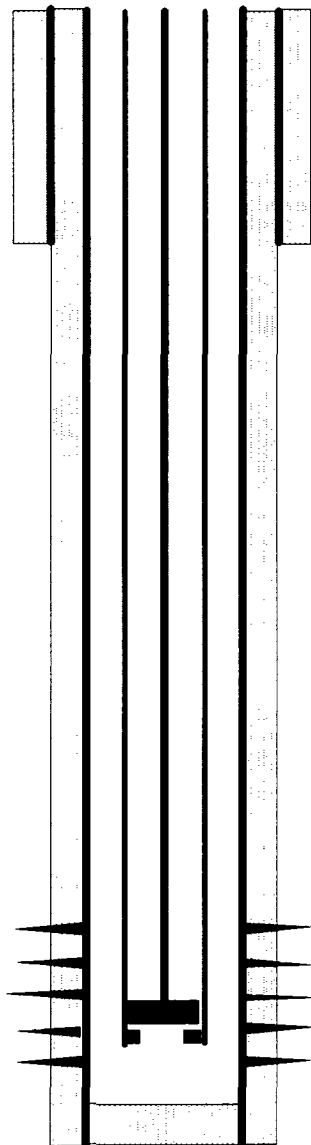
III Well Data:

- A. (1) J.L. Keel "B" #37
1780' FNL & 660' FWL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 380'. Set with 500 sxs, TOC @ surface.
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 15.5# J-55 @ 3754'. Set with 1300 sxs, TOC @ surface.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 2900'.
- (4) 5 1/2" Baker AD-1 tension packer @ 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 2945'- 3711' (OA).
The injection interval is 2850'- 3707'.
- (3) This well was originally drilled and completed as an oil well,
producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2850'- 3707'
interval.
- (5) The top of the Seven Rivers formation is at approximately
2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #37			FIELD: GRAYBURG-JACKSON			
LOCATION: 1780'FNL & 660'FWL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3805'; KB=3816			SPUD DATE: 06/30/88		COMP DATE: 07/16/88	
API#: 30-015-25934		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 380'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3754'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3644'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/500 SXS. TOC @ SURFACE.

PERFORATIONS: 2999' - 3697' (OA)

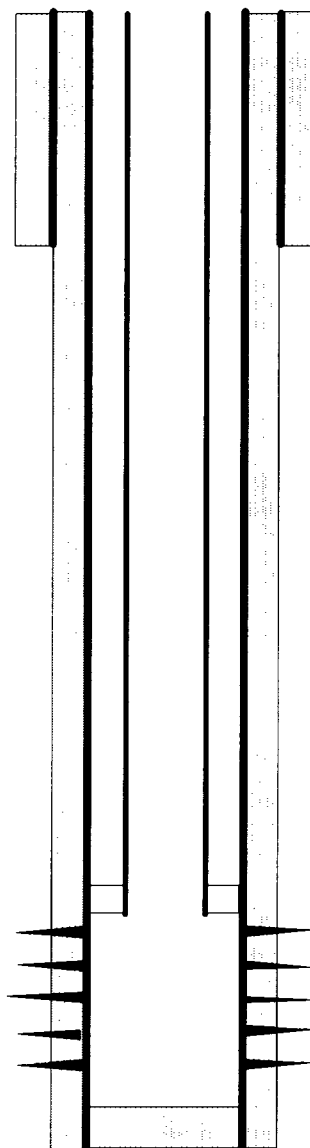
SEAT NIPPLE @ 3644"

5 1/2" CASING SET W/1300 SXS. TOC @ SURFACE
TD @ 3754'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #37			FIELD: GRAYBURG-JACKSON			
LOCATION: 1780'FNL & 660'FWL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3805'; KB=3816			SPUD DATE: 06/30/88		COMP DATE: 07/16/88	
API#: 30-015-25934		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 380'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3754'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/500 SXS. TOC @ SURFACE.

BAKER MODEL AD-1 PACKER @ 2900'

PERFORATIONS: 2945'- 3711' (OA)

5 1/2" CASING SET W/1300 SXS. TOC @ SURFACE
TD @ 3754'

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

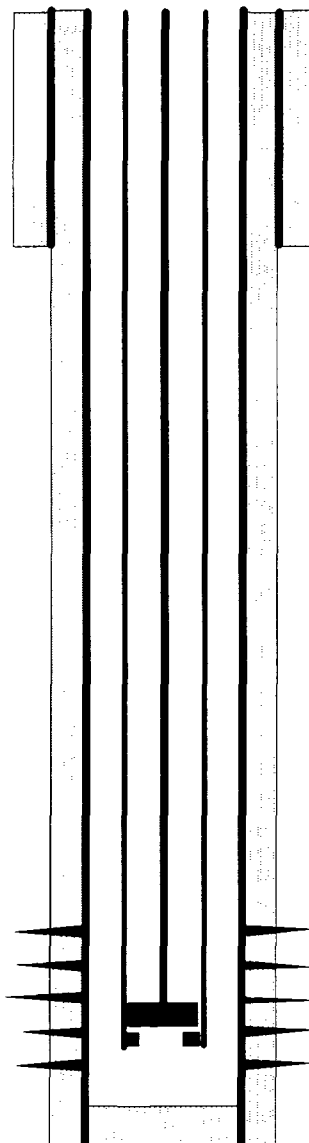
III Well Data:

- A. (1) J.L. Keel "B" #45
1930' FNL & 1830' FEL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 464'. Set with 300 sxs, TOC @ surface.
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 17# J-55 @ 3883'. Set with 1500 sxs, TOC @ surface.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 3000'.
- (4) 5 1/2" Baker AD-1 tension packer @ 3000'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 3048'- 3856' (OA).
The injection interval is 3000'- 3900'.
- (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 3000'- 3900'
interval.
- (5) The top of the Seven Rivers formation is at approximately
2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #45			FIELD: GRAYBURG-JACKSON			
LOCATION: 1930'FNL & 1830'FEL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3891'; KB=3899			SPUD DATE: 02/13/89		COMP DATE: 03/30/89	
API#: 30-015-26066		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 464'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3883'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3631'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/300 SXS. TOC @ SURFACE.

PERFORATIONS: 3136'- 3730' (OA)

SEAT NIPPLE @ 3631"

PBTD @ 3828'

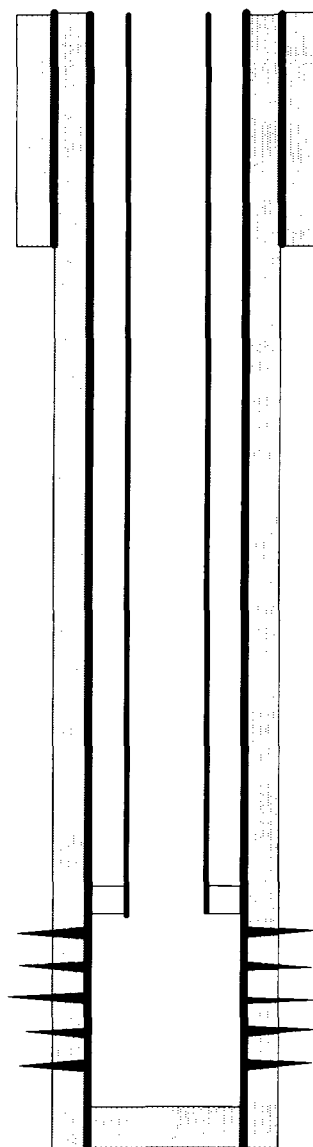
5 1/2" CASING SET W/1500 SXS. TOC @ SURFACE

TD @ 3883'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #45			FIELD: GRAYBURG-JACKSON			
LOCATION: 1930'FNL & 1830'FEL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3891'; KB=3899			SPUD DATE: 02/13/89		COMP DATE: 03/30/89	
API#: 30-015-26066		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 464'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3883'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3000'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/300 SXS. TOC @ SURFACE.

BAKER MODEL AD-1 PACKER @ 3000'

PERFORATIONS: 3048'- 3856' (OA)

PBTD @ 3828'

5 1/2" CASING SET W/1500 SXS. TOC @ SURFACE

TD @ 3883'

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

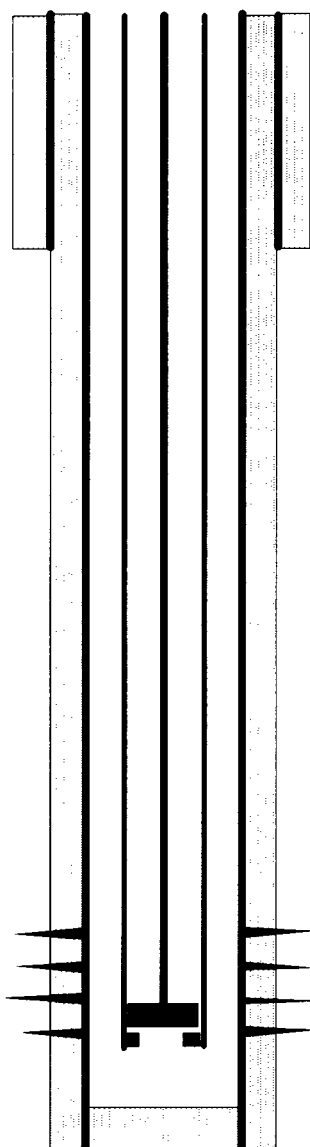
III Well Data:

- A. (1) J.L. Keel "B" #72
2230' FSL & 760' FEL
Section 5 - T17S - R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 514'. Set with 380 sxs, TOC @ surface.
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 15.5# J-55 @ 4064'. Set with 825 sxs, TOC @ surface.
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set @ 3000'.
- (4) 5 1/2" Baker AD-1 tension packer @ 3000'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection will be through perforations @ 3082'- 3858' (OA).
The injection interval is 3000'- 3900'.
- (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 3000'- 3900' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower zones.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #72			FIELD: GRAYBURG-JACKSON			
LOCATION: 2230'FSL & 760'FEL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3890'; KB=3898			SPUD DATE: 09/06/95		COMP DATE: 10/03/95	
API#: 30-015-28580		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 514'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4064'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3793'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/380 SXS. TOC @ SURFACE.

PERFORATIONS: 3153'- 3740' (OA)

SEAT NIPPLE @ 3793"

PBTD @ 4018'

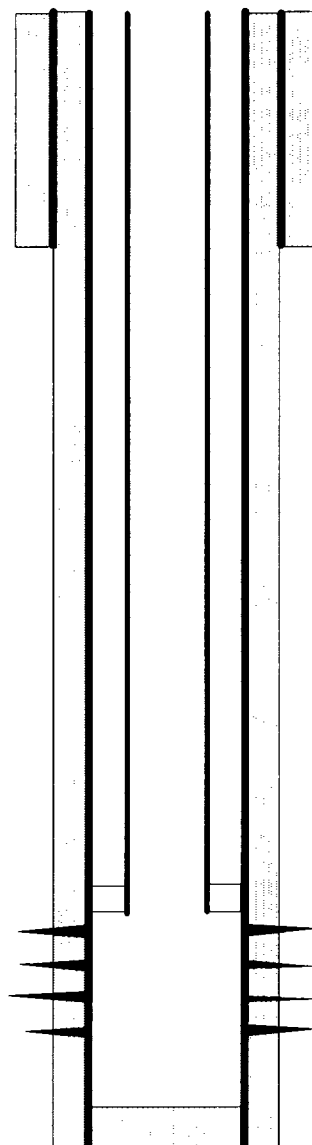
5 1/2" CASING SET W/825 SXS. TOC @ SURFACE

TD @ 4065'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #72				FIELD: GRAYBURG-JACKSON		
LOCATION: 2230'FSL & 760'FEL, SEC 5-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3890'; KB=3898				SPUD DATE: 09/06/95		COMP DATE: 10/03/95
API#: 30-015-28580		PREPARED BY: C.H. CARLETON			DATE: 03/12/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 514'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4064'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/380 SXS. TOC @ SURFACE.

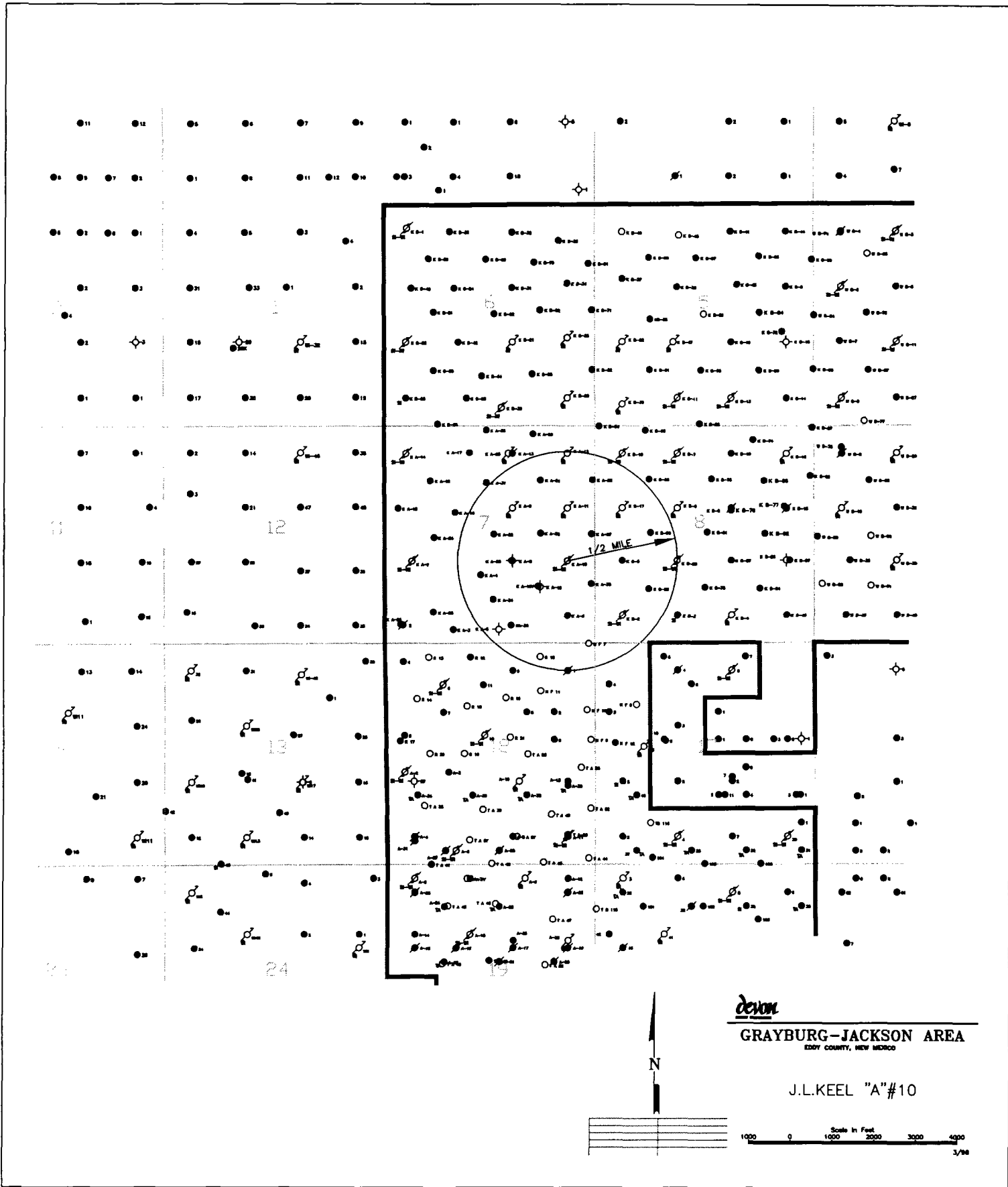
BAKER MODEL AD-1 PACKER @ 3100'

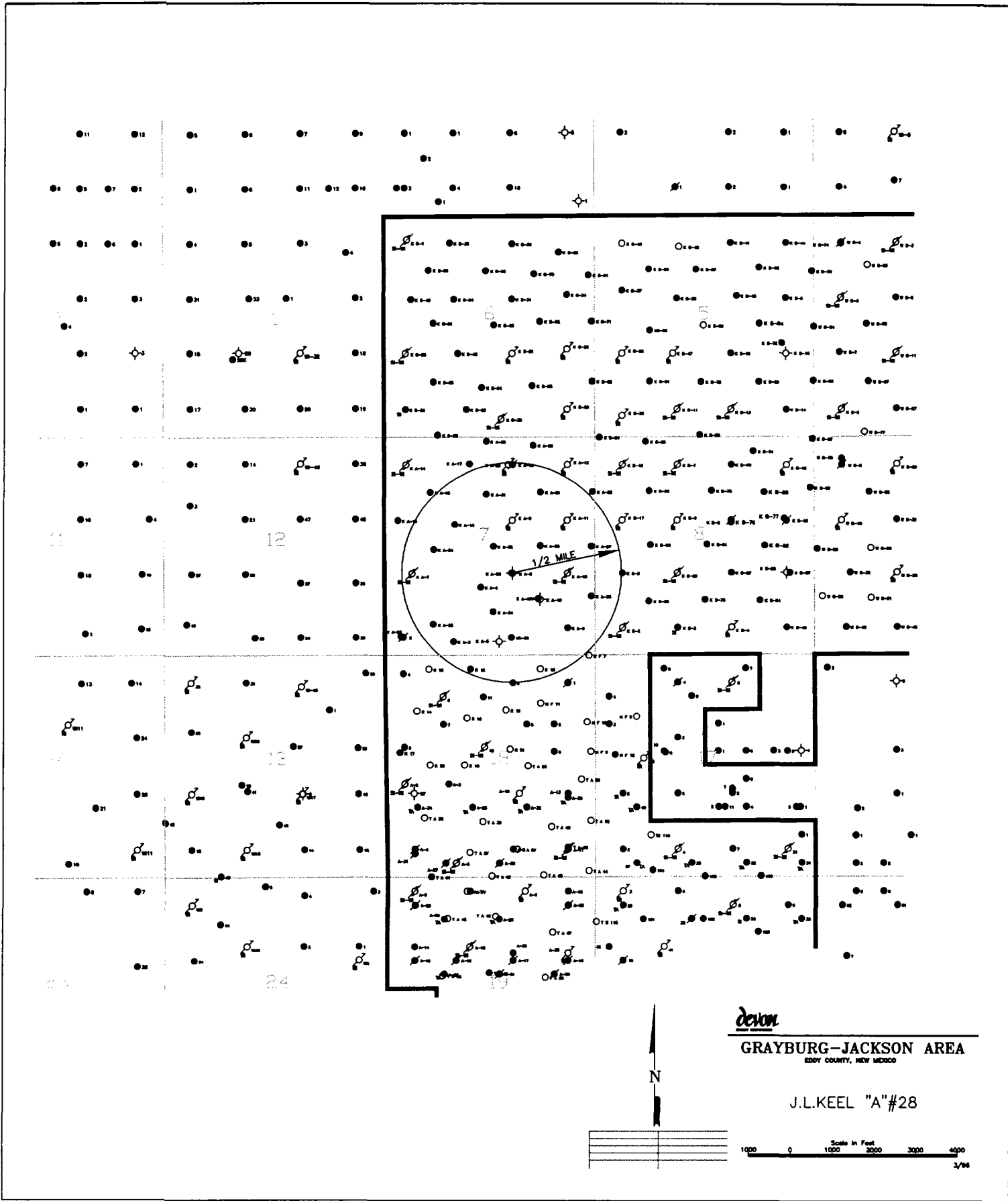
PERFORATIONS: 3153'- 3740' (OA)

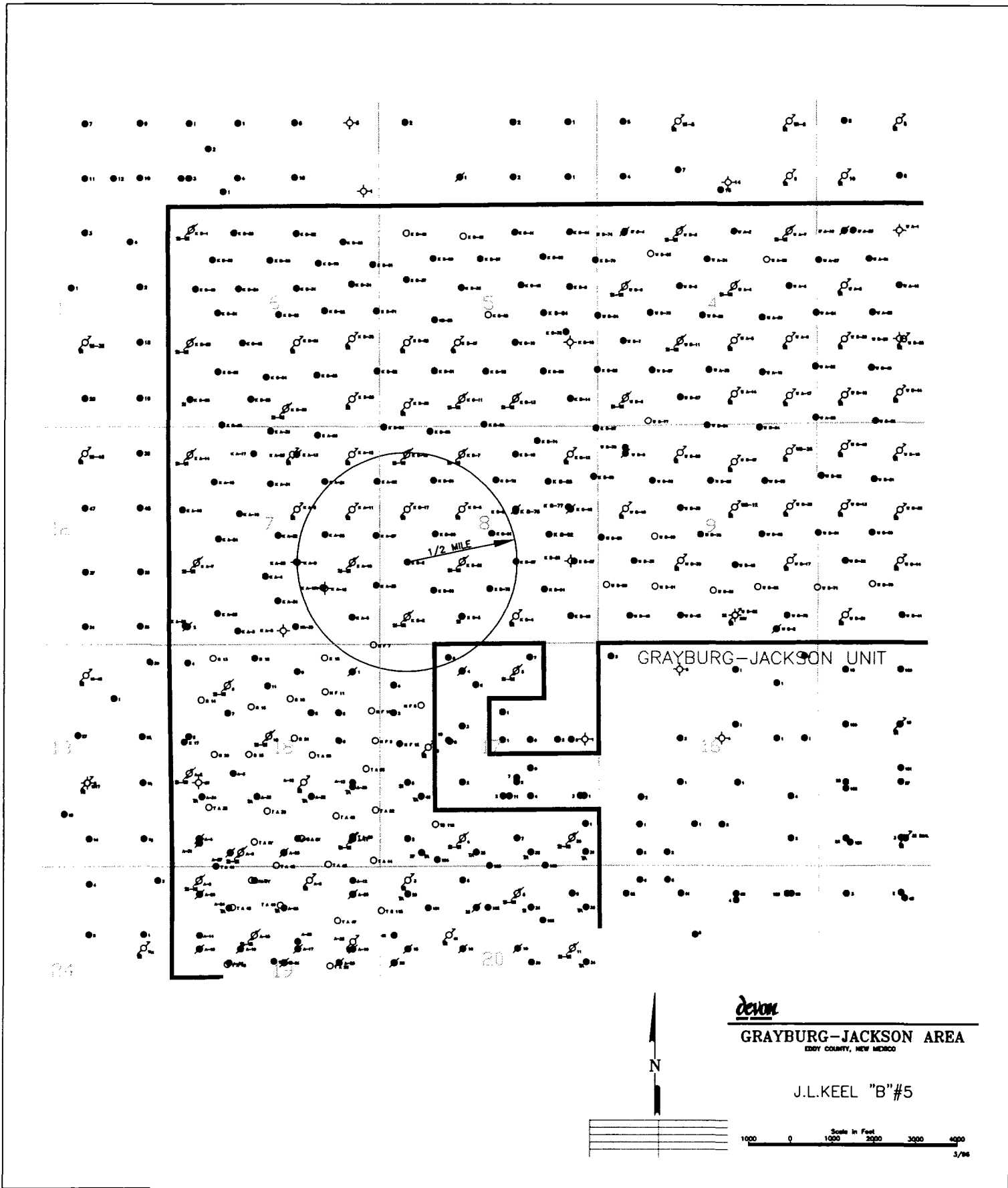
PBTD @ 4018'

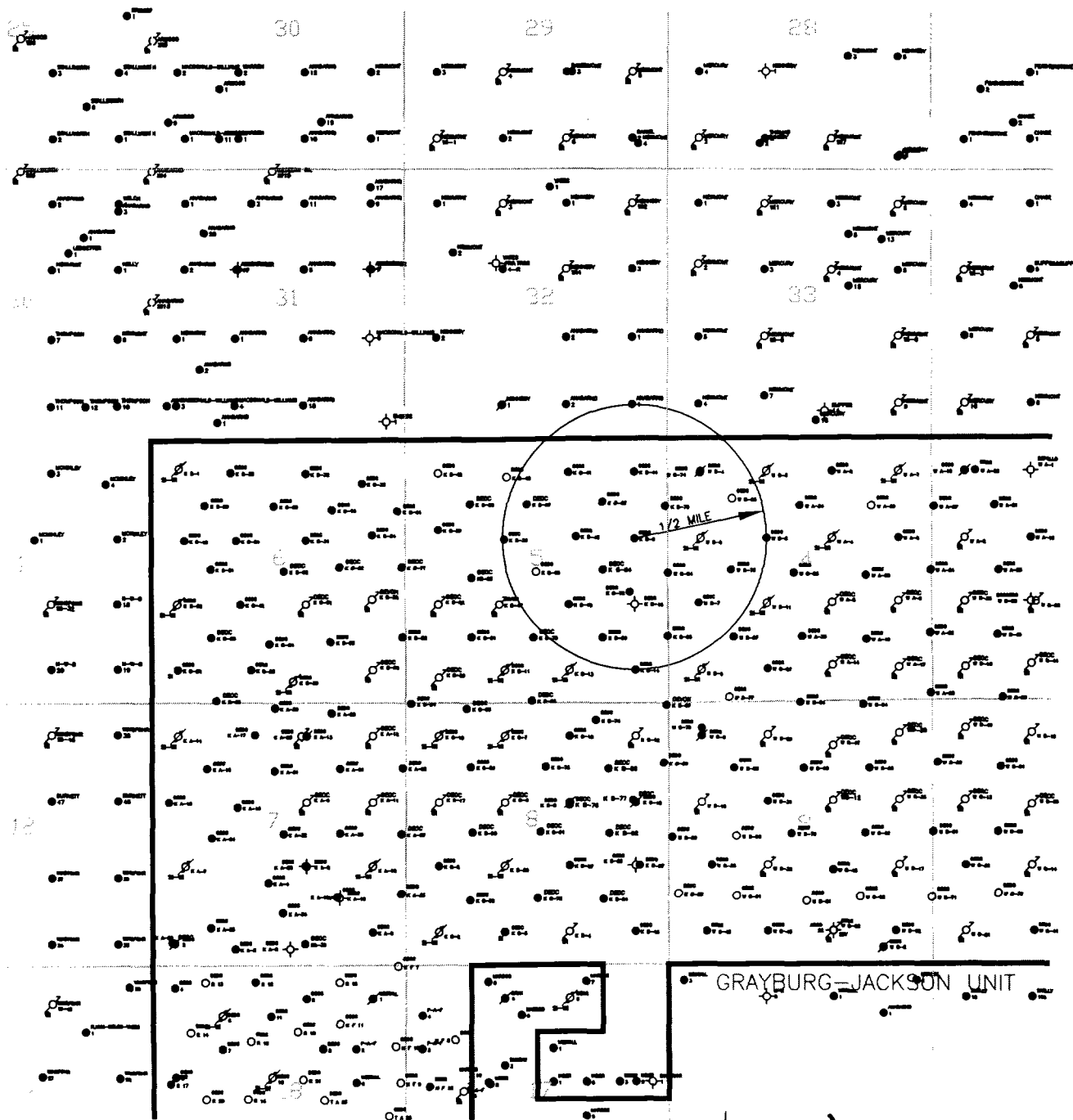
5 1/2" CASING SET W/825 SXS. TOC @ SURFACE

TD @ 4065'









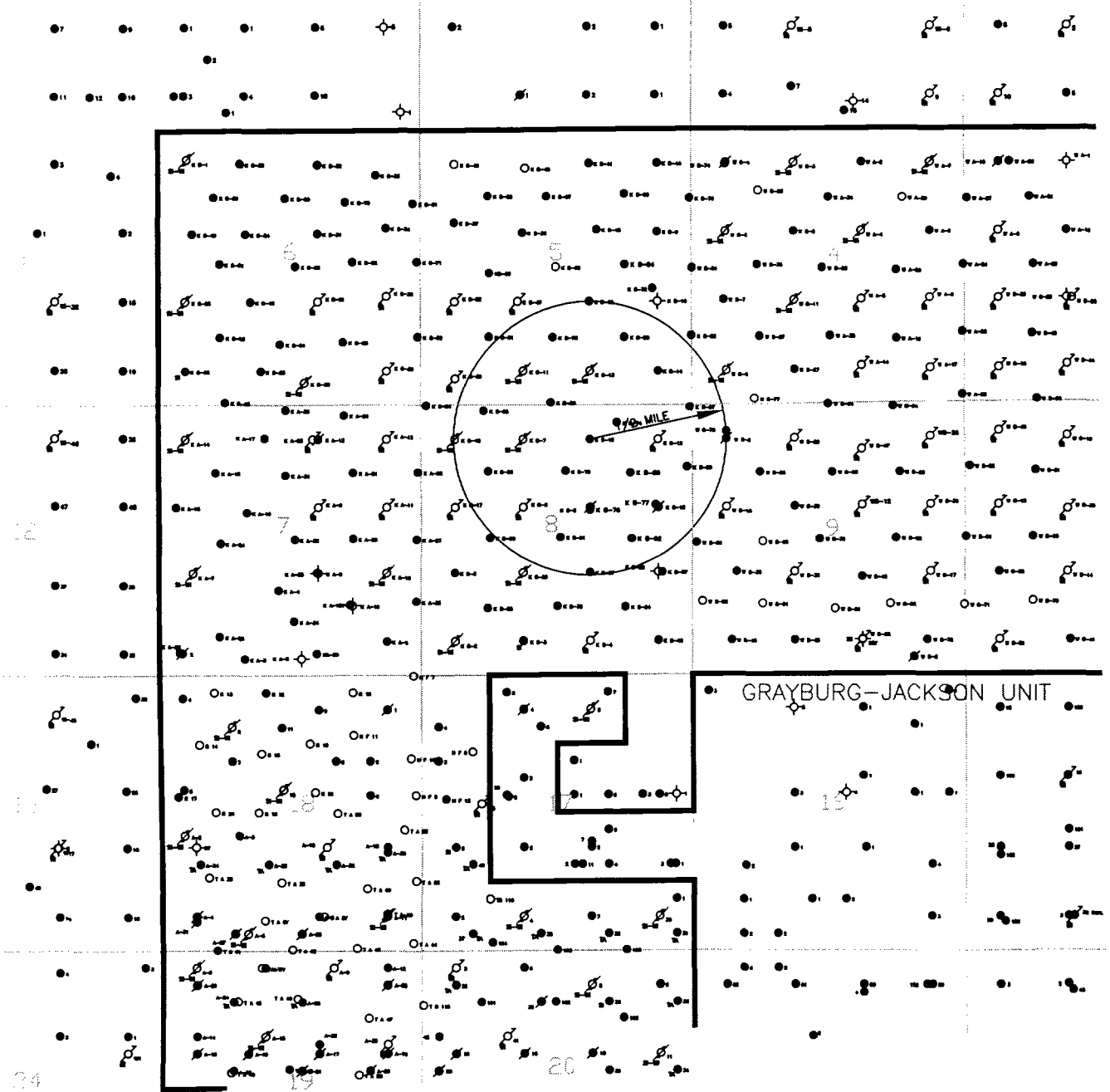
devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #9

N

Scale in Feet
1000 0 1000 2000 3000 4000
3/96

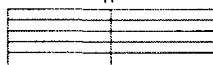
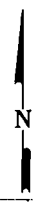


GRAYBURG-JACKSON UNIT

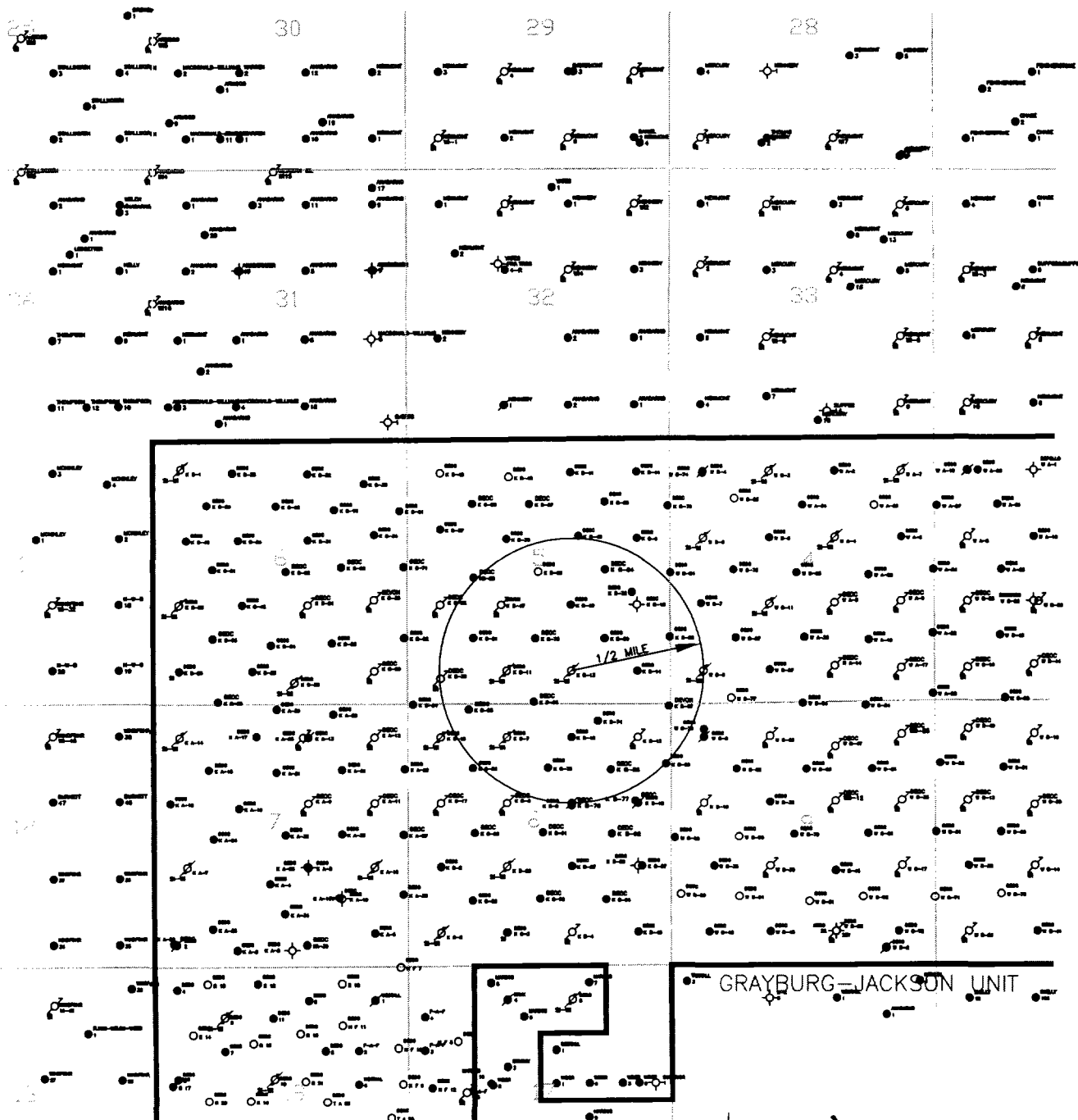


GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L.KEEL "B" #10



Scale in Feet
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3/94

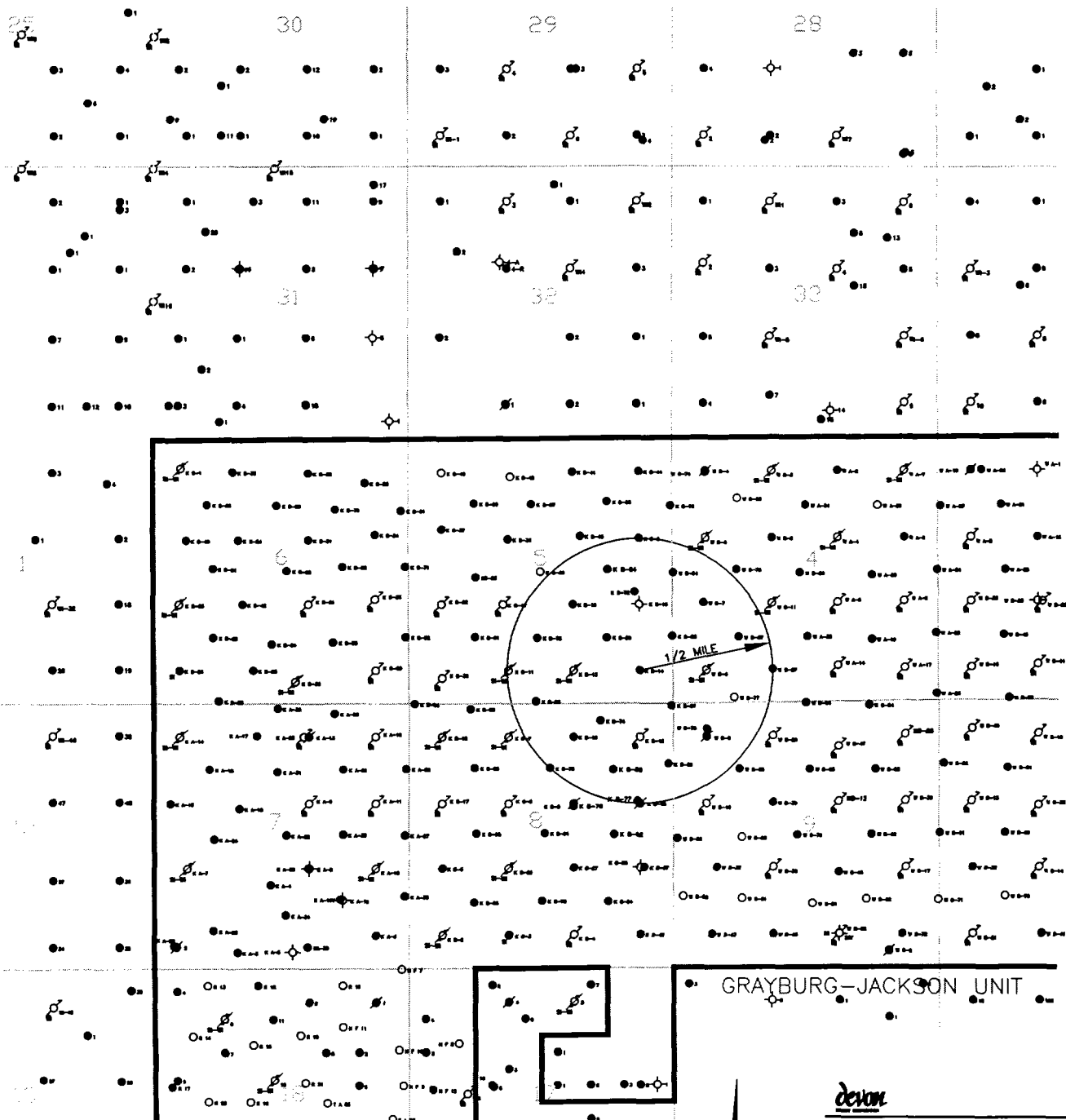


devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #13

Scale in Feet
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3/94



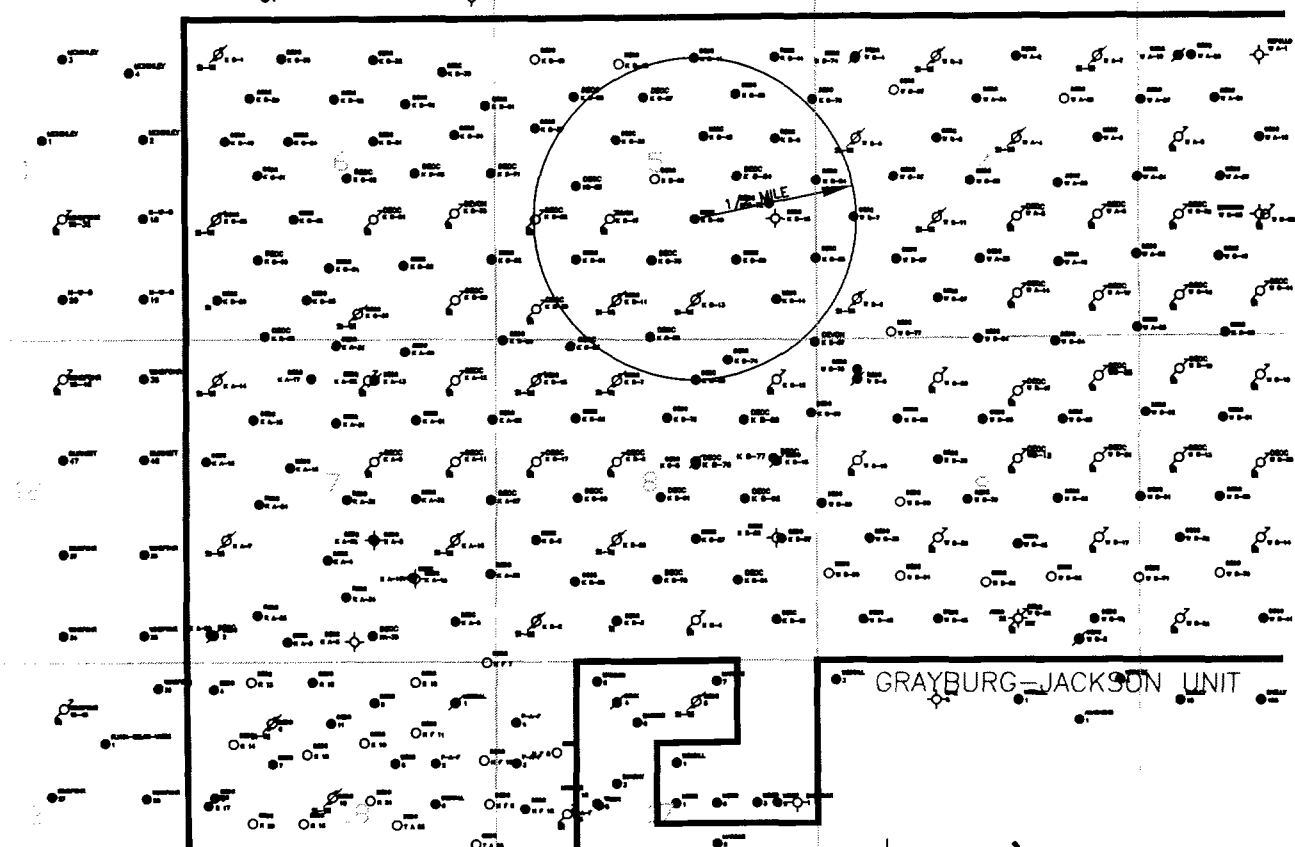
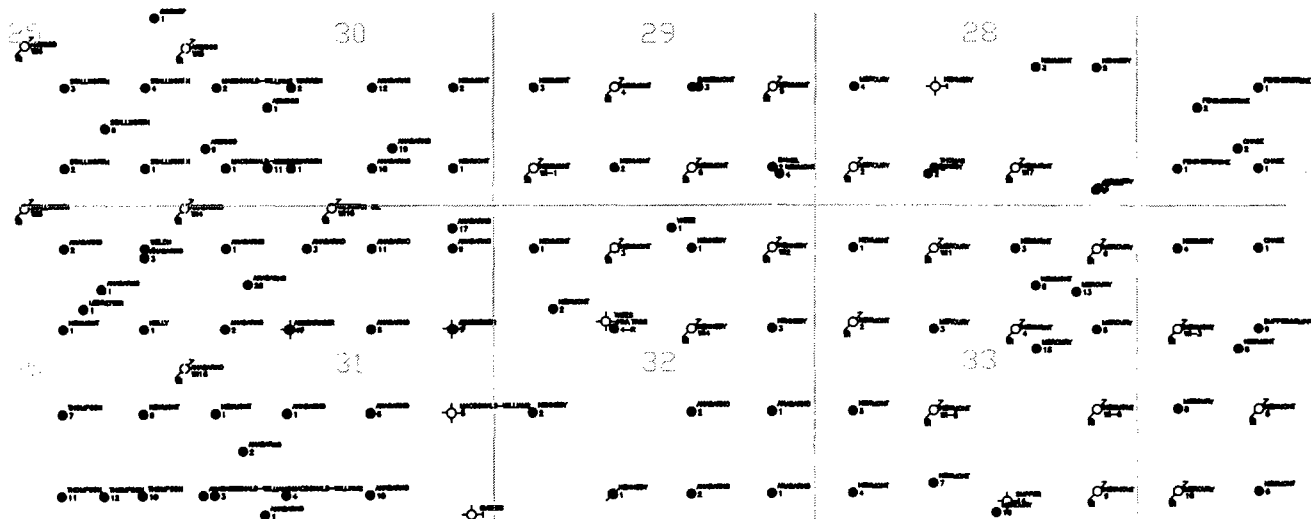
devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #14

N

Scale in Feet
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3/96



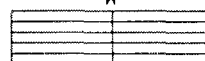
GRAYBURG-JACKSON UNIT

denon

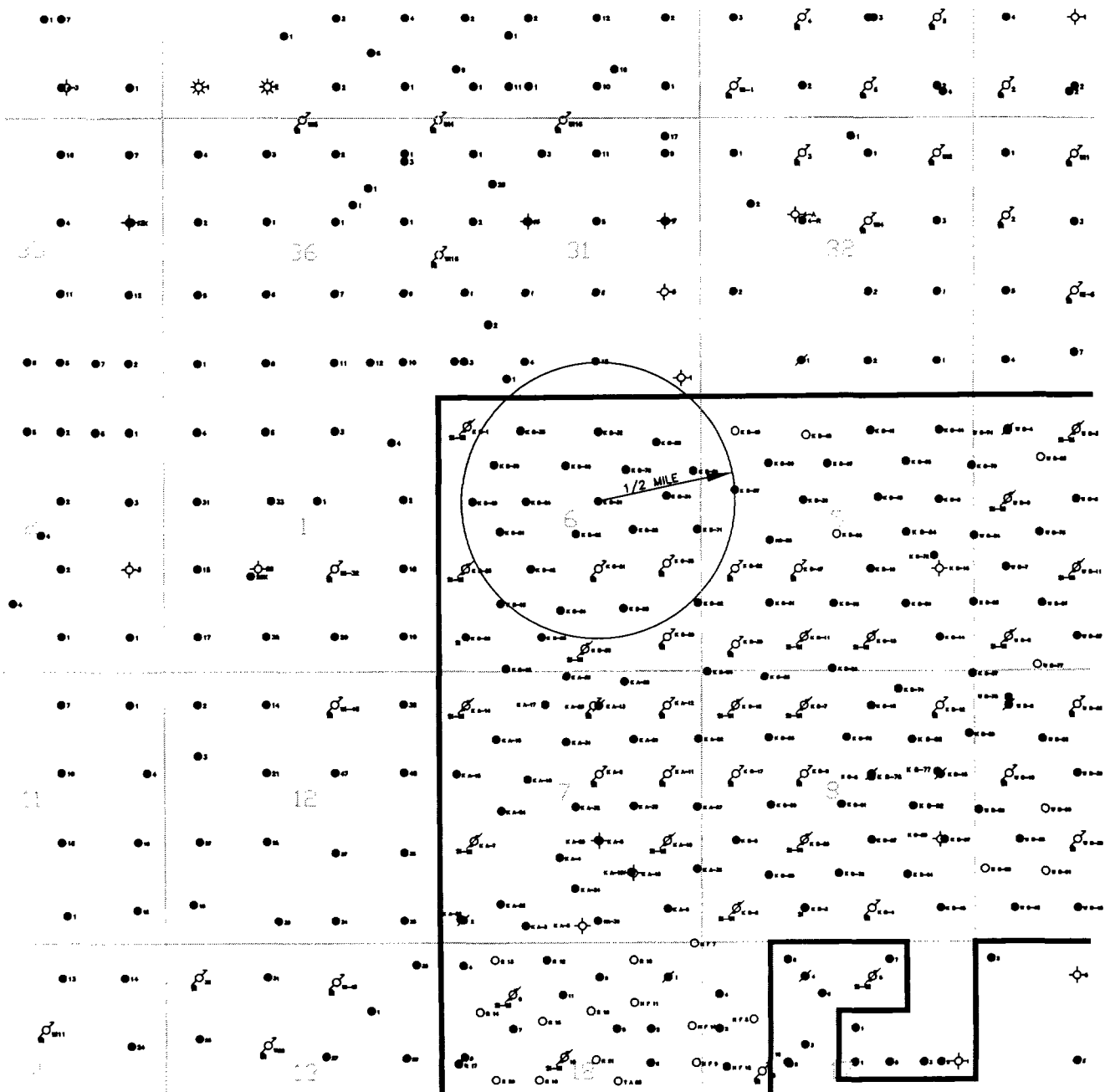
GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L.KEEL "B"#19

N



Scale in Feet
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3/84

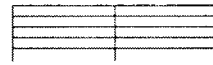


devon

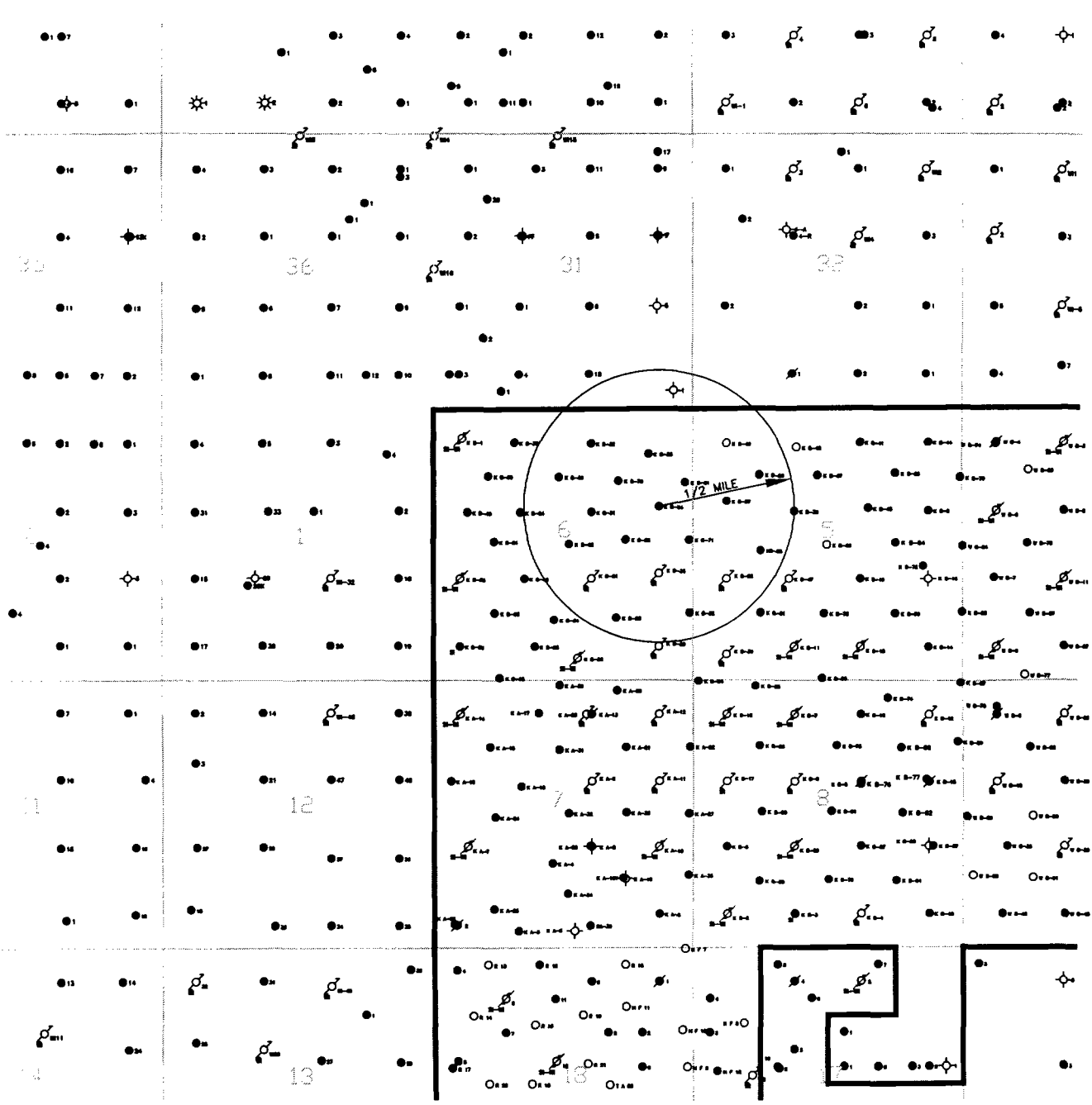
GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L.KEEL "B"#31

N



Scale in Feet
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3/98

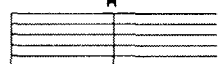


devon

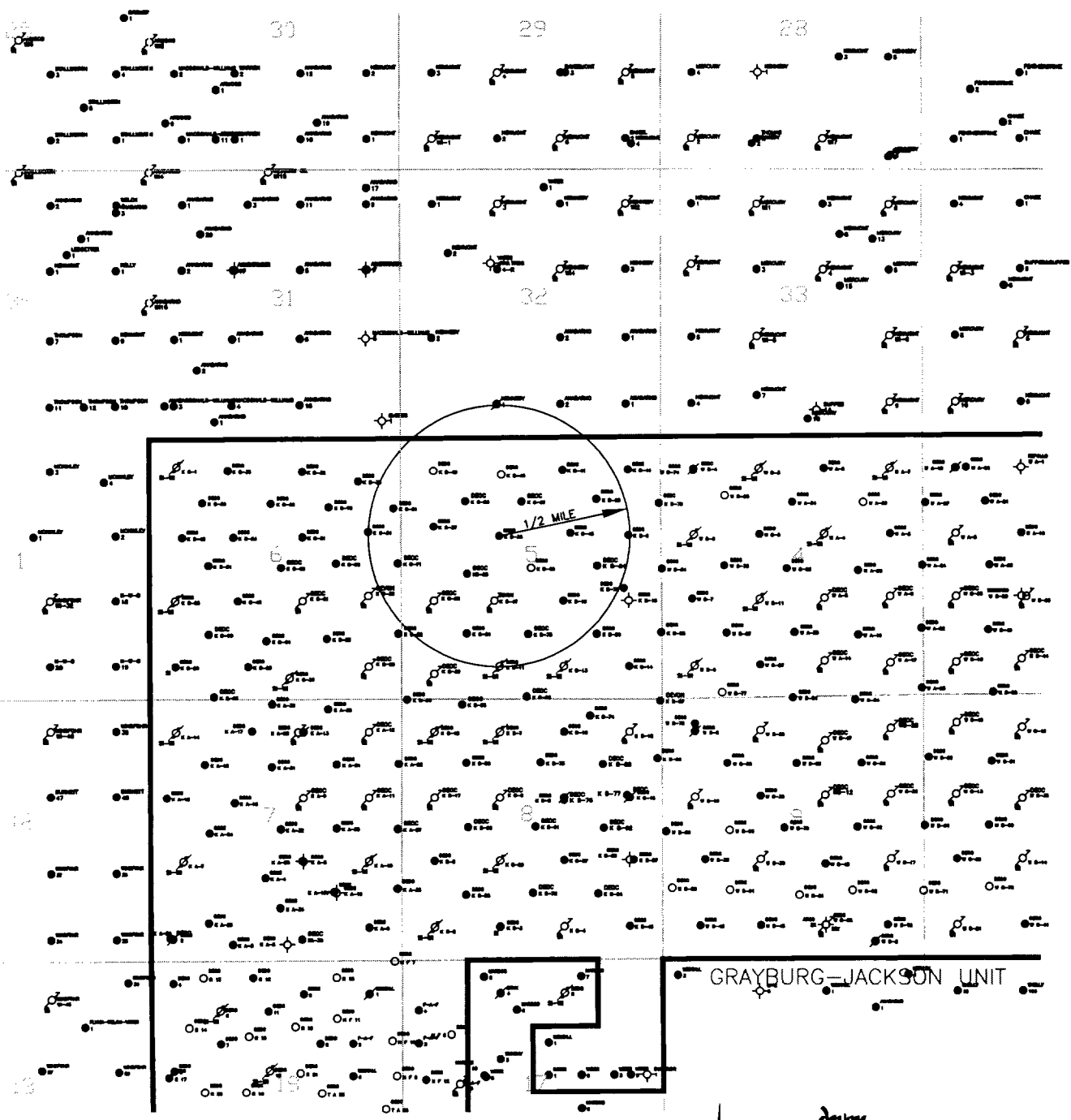
GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #34

N



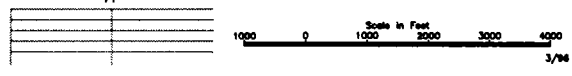
Scale in Feet
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3/98

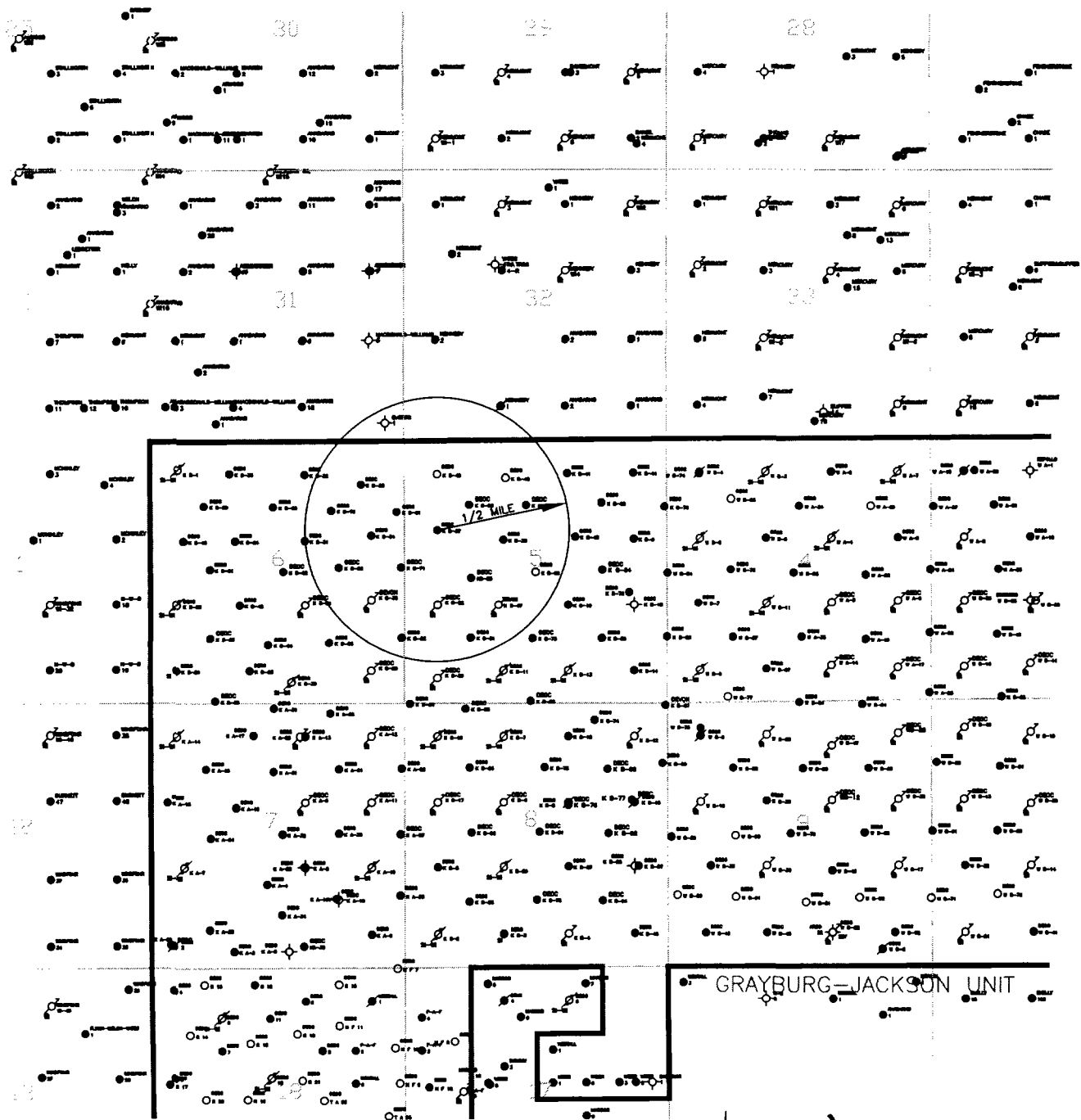


denon

GRAYBURG-JACKSON AREA
GRAY COUNTY, NEW MEXICO

J.L. KEEL "B" #36



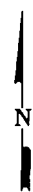


GRAYBURG-JACKSON UNIT

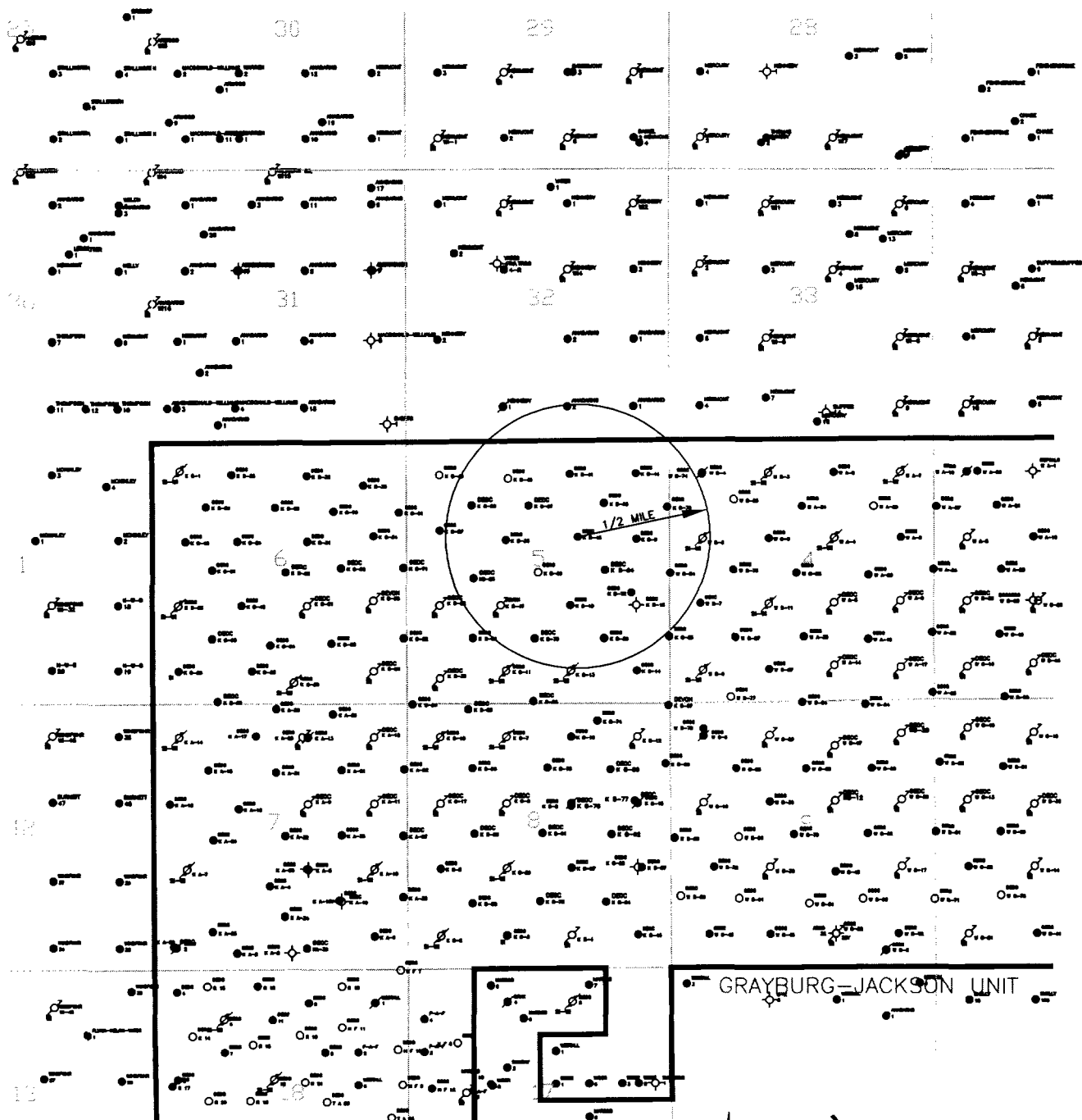
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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #37



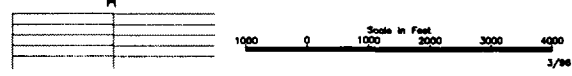
Scale in Feet
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3/98

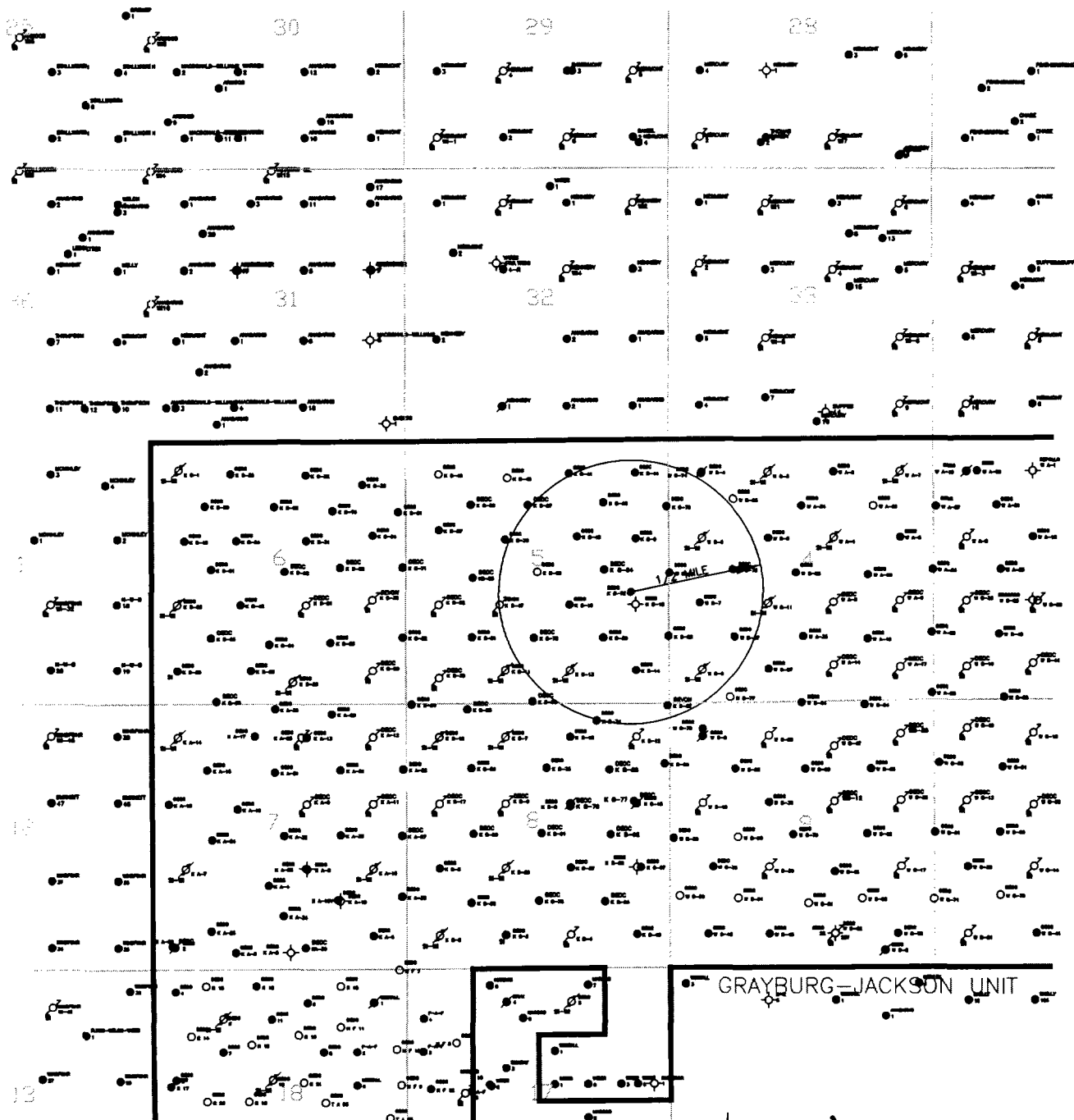


devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #45





VI Wells Within "Area Of Review"

WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH / PBTD	COMPLETION RECORD
J.L. KEEL "A" #3	330FSL & 1650FWL SEC 7-T17S-R31E EDDY COUNTY, NM	4/20/38	6/16/38	OIL PRODUCER	3575/3575'	8 5/8" @ 558' W/50 SXS 7" @ 3100' W/100 SXS OPEN HOLE COMPLETION: 3100' - 3575' IP=185 BOPD
J.L. KEEL "A" #4	1650FSL & 2310' FWL SEC 7-T17S-R31E EDDY COUNTY, NM	3/4/39	5/11/39	OIL PRODUCER	3638/3586'	8 5/8" @ 556' W/75SXS IN 10" HOLE 7" @ 3141' W/100 SXS IN 8" HOLE PERFORATIONS: 2891' - 3122' OPEN HOLE COMPLETION: 3141' - 3586'
J.L. KEEL "A" #5	330FSL & 2310FEL SEC 7-T17S-R31E EDDY COUNTY, NM	5/11/41	7/23/41	OIL PRODUCER	3547/3547'	8 5/8" @ 508' W/50 SXS 5 1/2" @ 3131' W/100 SXS OPEN HOLE COMPLETION: 3131' - 3547' IP=44 BOPD PLUGGED & ABANDONED DRILL OUT PLUGS AND CLEAN OUT TO TD 2 7/8" @ 3547' W/698 SXS, CEMENT TO SURFACE PERFORATE: 3186 - 3526' (OA) RECOMPLETED AS WATER INJECTION WELL PLUGGED & ABANDONED
J.L. KEEL "A" #6	660FSL & 660FEL SEC 7-T17S-R31E EDDY COUNTY, NM	3/21/44	6/15/44	OIL PRODUCER	3485/3485'	8 5/8" @ 510' W/75 SXS 7" @ 3141' W/100 SXS OPEN HOLE COMPLETION: 3141' - 3485'
J.L. KEEL "A" #7	1980FSL & 660FWL SEC 7-T17S-R31E EDDY COUNTY, NM	6/7/45	9/29/45	OIL PRODUCER	3576/3576'	8 5/8" @ 556' W/60 SXS 7" @ 3118' W/100 SXS, TOC @ 1700' OPEN HOLE COMPLETION: 3118' - 3576' IP=25 BOPD PERFORATE 7" CASING @ 2882' - 2892' CONVERT TO WATER INJECTION WELL
			5/22/66	WATER INJECTOR		

32
11 P&A's
43
-3 DUPL
97 TOTAL
FOR BANK
EXPANSION

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 "A" #8	1980FSL & 1980FEL SEC 7-T17S-R31E EDDY COUNTY, NM	2/28/50	6/4/50	OIL PRODUCER	3528'/3482'	10 3/4" @ 535' W/110 SXS 7" @ 2760' W/125 SXS OPEN HOLE COMPLETION: 2760'- 3482' IP=25 BOPD DEEPEMED OPEN HOLE TO 5100' AND RUN LOGS. TARD PLUGGED AND ABANDONED
J.L KEEL "A" #9	1980FNL & 1980FEL SEC 7-T17S-R31E EDDY COUNTY, NM	6/7/50	9/1/50	OIL PRODUCER	3525'/3525'	10 3/4" @ 541' W/110 SXS 7" @ 2819' W/200 SXS OPEN HOLE COMPLETION: 2819'- 3525' IP=24 BOPD DEEPEMED OPEN HOLE TO 3611'
J.L. KEEL "A" #10	1980FSL & 660FEL SEC 7-T17S-R31E EDY COUNTY, NM	8/3/50	10/23/50	OIL PRODUCER	3496'/3362'	4 1/2" @ 3611' W/325 SXS. CEMENT TO SURFACE. PERFORATE: 2928'- 3550' (OA) CONVERT TO WATER INJECTION WELL PERFORATE: 2830'- 3599' (OA) RETURN WELL TO INJECTION
J.L. KEEL "A" #11	1980FNL & 660FEL SEC 7-T17S-R31E EDDY COUNTY, NM	5/19/53	7/22/53	OIL PRODUCER	3482'/3482'	10 3/4" @ 537' W/350 SXS 7" @ 2809' W/200 SXS OPEN HOLE COMPLETION: 2809'- 3362' IP=41 BOPD DEEPEMED OPEN HOLE TO 3580' 4 1/2" @ 3580' W/325 SX. TOC @ 1850' PERFORATE: 2908'- 3571' (OA) CONVERT TO WATER INJECTION WELL
			6/25/65 7/10/95	WATER INJECTOR	3604'/3604' 3710'/3666'	8 5/8" @ 535' W/100 SXS 7" @ 2826' W/200 SXS OPEN HOLE COMPLETION: 2826'- 3482' IP=30 BOPD DEEPEMED OPEN HOLE TO 3604' DEEPEMED OPEN HOLE TO 3710' 4 1/2" @ 3709' W/475 SXS. CEMENT TO SURFACE. PERFORATE: 2866'- 3598' (OA) CONVERT TO WATER INJECTION WELL

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J.L. KEEL "A" #12	660FNL & 660FEL SEC 7-T17S-R31E EDDY COUNTY, NM	7/1/54	8/2/54	OIL PRODUCER	3011'/3011'	8 5/8" @ 568' W/100 SXS 7" @ 2853' W/200 SXS OPEN HOLE COMPLETION: 2853- 3011' IP=11 BOPD DEEPEINED OPEN HOLE TO 3601' 4 1/2" @ 3610' W/325 SXS. TOC @ 1960' PERFORATE: 2954'- 3588' (OA) CONVERT TO WATER INJECTION WELL CUT AND PACKOFF 4 1/2" @ 320'. CASING HAD SEVERE CORROSION. CLEAN OUT TO 3590' AND PERFORATE: 2827'- 3312' (OA) RETURN WELL TO INJECTION
J.L. KEEL "A" #13	660FNL & 1980FEL SEC 7-T17S-R31E EDDY COUNTY, NM	12/9/55	2/29/56	OIL PRODUCER	3501'/3501'	8 5/8" @ 560' W/100 SXS 5 1/2" @ 2852' W/200 SXS. TOC @ 1480' OPEN HOLE COMPLETION: 2852- 3501' IP=96 BOPD TA'D PLUGGED & ABANDONED
J.L. KEEL "A" #16	2080FNL & 1700FWL SEC 7-T17S-R31E EDDY COUNTY, NM	11/12/85	12/19/85	OIL PRODUCER	3600'/3580'	13 3/8" @ 503' W/1100 SXS. CEMENT TO SURFACE. 8 5/8" @ 1557' W/800 SXS. CEMENT TO SURFACE. 5 1/2" @ 3592' W/800 SXS. CEMENT TO SURFACE. PERFORATE: 2931'- 3513' (OA) IP=164 BOPD
J.L. KEEL "A" #19	1350FSL & 1320FEL SEC 7-T17S-R31E EDDY COUNTY, NM	8/16/94	11/24/94	D & A	1375'/1375'	8 5/8" @ 519' W/305 SXS. CEMENT TO SURFACE. 4 1/2" @ 1047' W/1150 SXS. TOC @ 75' PERFORATE: 660- 970' (OA) OPEN HOLE: 1047'- 1375' TA'D PLUGGED & ABANDONED
			9/22/95			

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J.L. KEEL "A" #19Y	1368FSL & 1367FEL SEC 7-T17S-R31E EDDY COUNTY, NM	9/26/95	11/2/95	OIL PRODUCER	4010'/3967'	13 3/8" @ 439 W/575 SXS. CEMENT TO SURFACE. 8 5/8" @ 1519' W/1200 SXS. CEMENT TO SURFACE. 5 1/2" @ 4009' W/750 SXS. CEMENT TO SURFACE. PERFORATE: 2814'- 3591' (OA) IP=195 BOPD
J.L. KEEL "A" #21	1310FNL & 1310FEL SEC 7-T17S-R31E EDDY COUNTY, NM	11/29/94	3/17/95	OIL PRODUCER	3988'/3952'	8 5/8" @ 432' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 3987' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 2877'- 3740' (OA) IP=179 BOPD
J.L. KEEL "A" #22	1300FNL & 607FEL SEC 7-T17S-R31E EDDY COUNTY, NM	12/2/94	3/27/95	OIL PRODUCER	4010'/3969'	8 5/8" @ 436' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4009' W/1275 SXS. CEMENT TO SURFACE. PERFORATE: 2971'- 3925' (OA) IP=140 BOPD
J.L. KEEL "A" #23	600FNL & 2080FEL SEC 7-T17S-R31E EDDY COUNTY, NM	12/10/94	2/18/95	OIL PRODUCER	4020'/3830'	8 5/8" @ 475' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4019' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 2968'- 3892' (OA) IP=90 BOPD SET CIBP @ 3664' PERFORATE: 2893'- 3309' (OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "A" #24	2560FSL & 1200FWL SEC 7-T17S-R31E EDDY COUNTY, NM	4/9/95	5/23/95	OIL PRODUCER	3975'/3932'	8 5/8" @ 440' W/875 SXS. CEMENT TO SURFACE. 5 1/2" @ 3974' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 2772'- 3638' (OA) IP=96 BOPD
J.L. KEEL "A" #27	2630FSL & 85FEL SEC 7-T17S-R31E EDDY COUNTY, NM	3/26/95	5/14/95	OIL PRODUCER	4045'/3996'	8 5/8" @ 440' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4044' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2875'- 3734' (OA) IP=84 BOPD

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J.L. KEEL "A" #28	1989FSL & 2001FEL SEC 7-T17S-R31E EDDY COUNTY, NM	9/9/95	10/3/95	OIL PRODUCER	3765/3720'	13 3/8" @ 443' W/200 SXS. CEMENT TO SURFACE. 5 1/2" @ 3764' W/320 SXS. CEMENT TO SURFACE. PERFORATE: 2848'- 3550' (OA) IP=25 BOPD
J.L. KEEL "A" #30	430FSL & 2013FEL SEC 7-T17S-R31E EDDY COUNTY, NM	8/21/95	8/29/95	OIL PRODUCER	3765/3719'	13 3/8" @ 459' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3764' W/875 SXS. CEMENT TO SURFACE. PERFORATE: 2754'- 3619' (OA) IP=63 BOPD
J.L. KEEL "A" #31	1359FNL & 2448FWL SEC 7-T17S-R31E EDDY COUNTY, NM	1/17/95	4/15/95	OIL PRODUCER	4005/3958'	8 5/8" @ 436' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4004' W/1180 SXS. CEMENT TO SURFACE. PERFORATE: 2827'- 3693' (OA) IP=35 BOPD
J.L. KEEL "A" #32	2632FSL & 2624FWL SEC 7-T17S-R31E EDDY COUNTY, NM	4/18/95	5/22/95	OIL PRODUCER	3985/3931'	8 5/8" @ 441' W/750 SXS. CEMENT TO SURFACE. 5 1/2" @ 3984' W/1635 SXS. CEMENT TO SURFACE. PERFORATE: 2828'- 3631' (OA) IP=125 BOPD
J.L. KEEL "A" #33	2593FNL & 1310FEL SEC 7-T17S-R31E EDDY COUNTY, NM	4/2/95	5/24/95	OIL PRODUCER	4010/3963'	8 5/8" @ 434' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4009' W/925 SXS. CEMENT TO SURFACE. PERFORATE: 2845'- 3749' (OA) IP=162 BOPD
J.L. KEEL "A" #34	1989FSL & 2001FEL SEC 7-T17S-R31E EDDY COUNTY, NM	9/9/95	10/3/95	OIL PRODUCER	3765/3720'	13 3/8" @ 443' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3764' W/1760 SXS. CEMENT TO SURFACE. PERFORATE: 2848'- 3550' (OA) IP=25 BOPD
J.L. KEEL "A" #35	1430FSL & 90FEL SEC 7-T17S-R31E EDDY COUNTY, NM	10/11/95	11/1/95	OIL PRODUCER	4060/4011'	13 3/8" @ 437' W/575 SXS. CEMENT TO SURFACE. 5 1/2" @ 4059' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 2841'- 3613' (OA) IP=125 BOPD

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J.L. KEEL "B" #2	660FSL & 660FWL SEC 8-T17S-R31E EDDY COUNTY, NM	7/15/44	10/13/44	OIL PRODUCER	3482'/3482'	8 5/8" @ 524' W/75 SXS 7" @ 2850' W/100 SXS OPEN HOLE COMPLETION: 2850 - 3485' IP=40 BOPD DEEPEMED OPEN HOLE TO 3620' 4 1/2" LINER @ 2752' - 3618' w/140 SXS PERFORATE: 2914' - 3555' (OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #3	660FSL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	10/30/44	1/12/45	OIL PRODUCER	3490'/3490'	8 5/8" @ 518' W/50 SXS 7" @ 2930' W/100 SXS OPEN HOLE COMPLETION: 2930 - 3490' IP=24 BOPD DEEPEMED OPEN HOLE TO 3630' IP=87 BOPD
J.L. KEEL "B" #4	660FSL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	2/8/45	5/10/45	OIL PRODUCER	3279'/3279'	8 5/8" @ 543' W/60 SXS 7" @ 2897' W/100 SXS OPEN HOLE COMPLETION: 2897' - 3279' IP=17 BOPD DEEPEMED OPEN HOLE TO 3730' 4 1/2" LINER @ 2818' - 3728' W/180 SXS PERFORATE: 3004' - 3682' (OA) CONVERT TO WATER INJECTION WELL PERFORATE: 2978' - 3666' (OA)
J.L. KEEL "B" #5	1980FSL & 660FWL SEC 8-T17S-R31E EDDY COUNTY, NM	12/28/50	3/5/51	OIL PRODUCER	3200'/3169'	8 5/8" @ 557' W/100 SXS 7" @ 2802' W/206 SXS OPEN HOLE COMPLETION: 2802' - 3200' IP=50 BOPD DEEPEMED OPEN HOLE TO 3650' IP=6 BOPD PLUG BACK OPEN HOLE TO 3504' W/PEA GRAVEL & CEMENT
			6/18/65		3650'/3650'	
			9/26/70		3650'/3504'	
			5/16/66	WATER INJECTOR	3730'/3715'	

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J.L. KEEL "B" #6	1980FNL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	3/19/51	5/6/51	OIL PRODUCER	3023'/3023'	10 3/4" @ 556' W/200 SXS 7" @ 2856' W/200 SXS OPEN HOLE COMPLETION: 2856'- 3023' IP=83 BOPD DEEPEMED OPEN HOLE TO 3400' IP=95 BOPD DEEPEMED OPEN HOLE TO 3680' IP=95 BOPD DEEPEMED OPEN HOLE TO 3800'
			8/24/54		3400'/3400'	
			5/4/64		3680'/3680'	4 1/2" @ 3798' W/475 SXS. CEMENT TO SURFACE. PERFORATE: 2882'- 3683' (OA) CONVERT TO WATER INJECTION WELL
			7/3/95	WATER INJECTOR	3800'/3756'	
J.L. KEEL "B" #7	660FNL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	5/25/51	7/17/51	OIL PRODUCER	3063'/3063'	10 3/4" @ 600' W/100 SXS 7" @ 2916' W/200 SXS OPEN HOLE COMPLETION: 2916'- 3063' IP=75 BOPD DEEPEMED OPEN HOLE TO 3266' IP=52 BOPD DEEPEMED OPEN HOLE TO 3381' 4 1/2" LINER @ 2833'- 3381' W/125 SXS PERFORATE: 2990'- 3258' (OA) CONVERT TO WATER INJECTION WELL
			5/27/54		3266'/3266'	
			6/26/64	WATER INJECTOR	3381'/3360'	DEEPEMED WELL WITH 3 7/8" OPEN HOLE TO 3820' PERFORATE: 2912'- 3377' (OA) RETURN TO WATER INJECTION
			6/15/95		3820'/3820'	
J.L. KEEL "B" #8	1980FNL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	5/29/51	7/17/51	OIL PRODUCER	3080'/3080'	10 3/4" @ 596' W/100 SXS 7" @ 2945' W/200 SXS OPEN HOLE COMPLETION: 2945'- 3080' IP=65 BOPD DEEPEMED OPEN HOLE TO 3400'
			6/20/64	WATER INJECTOR	3400'/3375'	4 1/2" LINER @ 2740'- 3400' W/150 SXS PERFORATE: 3008'- 3298' (OA) CONVERT TO WATER INJECTION WELL PLUGGED & ABANDONED
			6/9/83			

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J.L. KEEL "B" #9	1980FNL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	7/19/51	8/29/51	OIL PRODUCER	3500'/3500'	10 3/4" @ 659' W/100 SXS 7" @ 3082' W/200 SXS OPEN HOLE COMPLETION: 3082' - 3500' IP=42 BOPD
J.L. KEEL "B" #10	660FNL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	8/11/51	9/29/51	OIL PRODUCER	3127'/3127'	10 3/4" @ 594' W/100 SXS 7" @ 3019' W/200 SXS OPEN HOLE COMPLETION: 3019' - 3127' IP=100 BOPD
J.L. KEEL "B" #11	660FSL & 1980FWL SEC 5-T17S-R31E EDDY COUNTY, NM	3/21/65	4/16/65	OIL PRODUCER	3092'/3092'	8 5/8" @ 656' W/100 SXS 5 1/2" @ 2944' W/200 SXS OPEN HOLE COMPLETION: 2944' - 3092' IP=33 BOPD DEEPENED OPEN HOLE TO 3372' IP=21 BOPD MILLED ON JUNK IN OPEN HOLE TO 3384' CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #12	660FNL & 660FEL SEC 8-T17S-R31E EDDY COUNTY, NM	10/17/52	12/26/52	OIL PRODUCER	3551'/3551'	10 3/4" @ 622' W/100 SXS 7" @ 2036' W/200 SXS OPEN HOLE COMPLETION: 2036' - 3551' IP=51 BOPD DEEPENED OPEN HOLE TO 3730' 5" LINER @ 2937' - 3730' W/150 SXS PERFORATE: 3088' - 3676' (OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #13	660FSL & 1980FEL SEC 5-T17S-R31E EDDY COUNTY, NM	11/10/51	1/25/52	OIL PRODUCER	3497'/3497'	8 5/8" @ 609' W/100 SXS 7" @ 2992' W/200 SXS OPEN HOLE COMPLETION: 2992' - 3497' IP=47 BOPD DEEPENED OPEN HOLE TO 3737' 5" LINER @ 2942' - 3736' W/200 SXS PERFORATE: 3045' - 3714' (OA) CONVERT TO WATER INJECTION WELL
			1/22/64	WATER INJECTOR	3737'/3715'	

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J.L. KEEL "B" #14	660FSL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	2/4/52	4/18/52	OIL PRODUCER	3550'/3370'	8 5/8" @ 654' W/100 SXS 7" @ 3059' W/200 SXS OPEN HOLE COMPLETION: 3059' - 3550' IP=92 BOPD DEEPEMED OPEN HOLE TO 3728' IP=15 BOPD
J.L. KEEL "B" #15	1980FNL & 660FEL SEC 8-T17S-R31E EDDY COUNTY, NM	4/16/52	7/8/52	OIL PRODUCER	3500'/3500'	8 5/8" @ 777' W/100 SXS 7" @ 3075' W/200 SXS OPEN HOLE COMPLETION: 3075' - 3500' IP=35 BOPD PLUGGED & ABANDONED
J.L. KEEL "B" #16	1980FSL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	5/1/52	7/9/52	OIL PRODUCER	3550'/3550'	8 5/8" @ 643' W/100 SXS 7" @ 3081' W/200 SXS OPEN HOLE COMPLETION: 3081' - 3550' IP=35 BOPD DEEPEMED OPEN HOLE TO 3780' 5" LINER @ 3002' - 3765' W/170 SXS PERFORATE: 3140' - 3756' (OA) CONVERT TO WATER INJECTION WELL PLUGGED & ABANDONED
J.L. KEEL "B" #17	1980FNL & 660FWL SEC 8-T17S-R31E EDDY COUNTY, NM	10/8/52	11/30/52	OIL PRODUCER	3286'/3286'	8 5/8" @ 568' W/100 SXS 7" @ 2839' W/200 SXS OPEN HOLE COMPLETION: 2839' - 3286' IP=45 BOPD DEEPEMED OPEN HOLE TO 3615' 4 1/2" @ 3615' W/325 SXS PERFORATE: 2965' - 3601' (OA) CONVERT TO WATER INJECTION WELL PERFORATE: 2828' - 3396' (OA) RETURN TO WATER INJECTION
			5/24/86			
			12/7/64	WATER INJECTOR	3615'/3613'	
			8/14/95			

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J.L. KEEL "B" #18	660FWL & 660FWL SEC 8-T17S-R31E EDDY COUNTY, NM	12/19/53	3/1/54	OIL PRODUCER	3232'/3232'	8 5/8" @ 571' W/100 SXS 7" @ 2873' W/200 SXS OPEN HOLE COMPLETION: 2873 - 3232' IP=56 BOPD DEEPEENED OPEN HOLE TO 3810' 4 1/2" @ 3809' W/400 SXS. CEMENT TO SURFACE. PERFORATE: 2879 - 3701' (OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #19	1980FSL & 1980FEL SEC 5-T17S-R31E EDDY COUNTY, NM	3/13/54	6/21/54	OIL PRODUCER	3700'/3700'	8 5/8" @ 624' W/100 SXS 7" @ 3006' W/200 SXS OPEN HOLE COMPLETION: 3006 -3700' IP=16 BOPD
J.L. KEEL "B" #21	1980FSL & 1980FEL SEC 6-T17S-R31E EDDY COUNTY, NM	5/27/56	8/2/56	OIL PRODUCER	3490'/3490'	10 3/4" @ 528' W/100 SXS 5 1/2" @ 2811' W/100 SXS OPEN HOLE COMPLETION: 2811' - 3490' IP=139 BOPD
J.L. KEEL "B" #22	1980FSL & 660FWL SEC 5-T17S-R31E EDDY COUNTY, NM	8/7/56	10/4/56	OIL PRODUCER	3611'/3360'	3 1/2" LINER @ 2737' - 3470' W/125 SXS PERFORATE: 2938' - 3454' (OA) CONVERT TO WATER INJECTION WELL PERFORATE: 2801' - 3280' (OA) RETURN TO WATER INJECTION
			6/10/95			
			3/2/66	WATER INJECTOR	3611' - 3609'	9 5/8" @ 610' W/100 SXS 5 1/2" @ 2907' W/200 SXS OPEN HOLE COMPLETION: 2907 - 3360' IP=45 BOPD CLEAN OUT OPEN HOLE TO TD 3 1/2" LINER @ 2841' - 3609' W/100 SXS PERFORATE: 3022' - 3554' (OA) CONVERT TO WATER INJECTION WELL CLEAN OUT FILL TO 3580' PERFORATE: 2885' - 3204' (OA) RETURN TO WATER INJECTION
			6/14/95			

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J.L. KEEL "B" #24	1980FNL & 1694FWL SEC 6-T17S-R31E EDDY COUNTY, NM	12/21/56	3/16/57	OIL PRODUCER	3519'/3175'	10 3/4" @ 509' W/500 SXS. CEMENT TO SURFACE. 7" @ 3180' W/100 SXS. TOC @ 2685' PERFORATE: 2953'- 3163' (OA) IP=43 BOPD DRILL OUT CIBP @ 3175', CLEAN OUT OPEN HOLE TO 3490'. PERFORATE: 3010' - 3102' (OA) RETURN TO PRODUCTION
J.L. KEEL "B" #27	1980FSL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	10/3/64	11/9/64	OIL PRODUCER	3725'/3725'	8 5/8" @ 560' W/370 SXS. CEMENT TO SURFACE. 5 1/2" @ 3725' W/325 SXS. TOC @ 1190' PERFORATE: 3064'- 3724' (OA) IP=32 BOPD
J.L. KEEL "B" #29	1980FSL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	10/28/64	11/19/64	WATER INJECTOR	3700'/3697'	8 5/8" @ 555' W/220 SXS. CEMENT TO SURFACE. 4 1/2" @ 3700' W/360 SXS. TOC @ 1690' PERFORATE: 2996'- 3660' (OA) COMPLETED WATER INJECTION WELL
J.L. KEEL "B" #31	1980FNL & 1980FEL SEC 6-T17S-R31E EDDY COUNTY, NM	4/24/85	5/17/85	OIL PRODUCER	3550'/3482'	13 3/8" @ 450' W/500 SXS. CEMENT TO SURFACE. 8 5/8" @ 1515' W/1000 SXS. CEMENT TO SURFACE. 5 1/2" @ 3550' W/800 SXS. CEMENT TO SURFACE. PERFORATE: 2977'- 3260' (OA) IP=25 BOPD
J.L. KEEL "B" #32	660'FNL & 1980FEL SEC 6-T17S-R31E EDDY COUNTY, NM	12/22/83	1/16/84	OIL PRODUCER	3650'/3562'	8 5/8" @ 550' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3650' W/2300 SXS. CEMENT TO SURFACE. PERFORATE: 3003'- 3418' (OA) IP=26 BOPD

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<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH / PBTD</u>	<u>COMPLETION RECORD</u>
J.L. KEEL "B" #33	860FNL & 860FEL SEC 6-T17S-R31E EDDY COUNTY, NM	12/27/85	1/28/86	OIL PRODUCER	3553/3465'	13 3/8" @ 415' W/900 SXS. CEMENT TO SURFACE. 9 5/8" @ 2704' W/1375 SXS. CEMENT TO SURFACE. 7" @ 3553' W/550 SXS. CEMENT TO SURFACE. PERFORATE: 3028 - 3193' (OA) IP=31 BOPD
J.L. KEEL "B" #34	1880FNL & 660FEL SEC 6-T17S-R31E EDDY COUNTY, NM	8/23/88	9/8/88	OIL PRODUCER	3664/3621'	8 5/8" @ 458' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3664' W/1000 SXS. CEMENT TO SURFACE. PERFORATE: 2997 - 3615' (OA) IP=50 BOPD
J.L. KEEL "B" #35	635FNL & 1586FWL SEC 6-T17S-R31E EDDY COUNTY, NM	1/20/86	3/12/86	OIL PRODUCER	3550/3506'	13 3/8" @ 414' W/650 SXS. CEMENT TO SURFACE. 9 5/8" @ 2700' W/1415 SXS. CEMENT TO SURFACE. 7" @ 3550' W/650 SXS. CEMENT TO SURFACE. PERFORATE: 2952 - 3425' (OA) IP=48 BOPD
J.L. KEEL "B" #36	1980FNL & 1980FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/12/87	6/29/87	OIL PRODUCER	3760/3718'	8 5/8" @ 420' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3760' W/550 SXS. TOC @ 1200'(CBL). PERFORATE: 3275 - 3315' (OA) IP=32 BOPD PERFORATE: 3363 - 3619' (OA) PERFORATE: 3134 - 3237' (OA) RETURN TO PRODUCTION
J.L. KEEL "B" #37	1780FNL & 660FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/30/88	7/16/88	OIL PRODUCER	3754/3754'	8 5/8" @ 380' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3754' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2999 - 3697' (OA) IP=113 BOPD
J.L. KEEL "B" #38	2080FSL & 660FWL SEC 6-T17S-R31E EDDY COUNTY, NM	5/24/88	6/12/88	OIL PRODUCER	3670/3624'	8 5/8" @ 424' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3670' W/1510 SXS. CEMENT TO SURFACE. PERFORATE: 3257 - 3601' (OA) IP=125 BOPD PERFORATE: 2827 - 3204' (OA) CONVERT TO WATER INJECTION WELL
			7/7/95	WATER INJECTOR		

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J.L. KEEL "B" #39	510FSL & 660FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/6/88	6/24/88	OIL PRODUCER	3758/3711'	8 5/8" @ 379' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3757' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 3011' - 3702' (OA) IP=200 BOPD PERFORATE: 2882' - 3128' (OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #40	1980FNL & 660FWL SEC 6-T17S-R31E EDDY COUNTY, NM	7/21/88	10/27/88	OIL PRODUCER	3760/3715'	8 5/8" @ 460' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3759' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2826' - 3483' (OA) SQUEEZE OFF PERFS @ 2826' - 2951' W/600 SXS. IP=40 BOPD
J.L. KEEL "B" #41	660FNL & 1980FEL SEC 5-T17S-R31E EDDY COUNTY, NM	9/16/88	10/20/88	OIL PRODUCER	3843/3785'	8 5/8" @ 458' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3843' W/1350 SXS. CEMENT TO SURFACE. PERFORATE: 3172' - 3783' (OA) IP=83 BOPD
J.L. KEEL "B" #42	1980FSL & 1780FWL SEC 6-T17S-R31E EDDY COUNTY, NM	9/7/88	9/29/88	OIL PRODUCER	3550/3481'	8 5/8" @ 463' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3550' W/1200 SXS. CEMENT TO SURFACE. PERFORATE: 2915' - 3509' (OA) SQUEEZE OFF PERFS @ 2915' - 2948' W/265 SXS. PERFORATE: 2965' - 3509' (OA) IP=108 BOPD
J.L. KEEL "B" #44	660FNL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	1/31/89	3/24/89	OIL PRODUCER	3916/3800'	8 5/8" @ 504' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3916' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3177' - 3865' (OA) IP=108 BOPD
J.L. KEEL "B" #45	1930FNL & 1830FEL SEC 5-T17S-R31E EDDY COUNTY, NM	2/13/89	3/30/89	OIL PRODUCER	3883/3828'	8 5/8" @ 464' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3883' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 3136' - 3730' (OA) IP=83 BOPD

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J.L. KEEL "B" #46	660FSL & 660FEL SEC 8-T17S-R31E EDDY COUNTY, NM	4/23/89	5/31/89	OIL PRODUCER	3751'/3655'	8 5/8" @ 367' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3751' W/1700 SXS. CEMENT TO SURFACE. PERFORATE: 3050'- 367'4" (OA) IP=116 BOPD
J.L. KEEL "B" #47	1980FSL & 1880FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/26/94	7/26/94	OIL PRODUCER	4040'/3992'	8 5/8" @ 503' W/305 SXS. CEMENT TO SURFACE. 5 1/2" @ 4039' W/1010 SXS. CEMENT TO SURFACE. PERFORATE: 3024'- 3922' (OA) IP=69 BOPD SET CIBP @ 3798' AND CAP W/1 SX CEMENT(10') PERFORATE: 3252'- 3753' (OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #50	1310FSL & 1310FEL SEC 5-T17S-R31E EDDY COUNTY, NM	12/7/94	3/8/95	OIL PRODUCER	4167'/4112'	8 5/8" @ 482' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4166' W/1425 SXS. CEMENT TO CURFACE. PERFORATE: 3041'- 3852' (OA) IP=136 BOPD
J.L. KEEL "B" #51	1310FSL & 1310FWL SEC 5-T17S-R31E EDDY COUNTY, NM	10/9/94	2/10/95	OIL PRODUCER	4073'/4017'	8 5/8" @ 399' W/305 SXS. CEMENT TO SURFACE. 5 1/2" @ 4073' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3049'- 3904' (OA) IP=58 BOPD
J.L. KEEL "B" #52	1310FSL & 60FEL SEC 6-T17S-R31E EDDY COUNTY, NM	10/17/94	12/28/94	OIL PRODUCER	3715'/3655'	8 5/8" @ 361' W/325 SXS. CEMENT TO SURFACE. PERFORATE: 2899'- 3608' (OA) IP=32 BOPD
J.L. KEEL "B" #53	1220FSL & 1500FEL SEC 6-T17S-R31E EDDY COUNTY, NM	10/24/94	12/28/94	OIL PRODUCER	3950'/3917'	8 5/8" @ 401' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 3949' W/1375 SXS. CEMENT TO SURFACE. PERFORATE: 2873'- 3857' (OA) IP=72 BOPD
J.L. KEEL "B" #65	110FNL & 1220FWL SEC 8-T17S-R31E EDDY COUNTY, NM	1/16/95	4/16/95	OIL PRODUCER	4070'/4022'	8 5/8" @ 442' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4069' W/1600 SXS. CEMENT TO SURFACE. PERFORATE: 2987'- 3885' (OA) IP=67 BOPD

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J.L. KEEL "B" #56	1280FNL & 1300FWL SEC 8-T17S-R31E EDDY COUNTY, NM	12/18/94	3/31/94	OIL PRODUCER	4030'/3980'	8 5/8" @ 434' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4029' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2928'- 3859' (OA) IP=71 BOPD
J.L. KEEL "B" #57	1980FSL & 580FEL SEC 8-T17S-R31E EDDY COUNTY, NM	1/8/95	5/2/95	OIL PRODUCER	3985'/3558'	8 5/8" @ 424' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3983' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 3586'- 3899' (OA) SET CIBP @ 3568' AND CAP W/1 SX CEMENT(10') PERFORATE: 3029'- 3497' (OA) IP=30 BOPD
J.L. KEEL "B" #58	1300FSL & 1290FWL SEC 8-T17S-R31E EDDY COUNTY, NM	1/10/95	3/12/95	OIL PRODUCER	4020'/3973'	8 5/8" @ 463' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4020' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 2963'- 3741' (OA) IP=31 BOPD
J.L. KEEL "B" #59	1280FNL & 1070FWL SEC 6-T17S-R31E EDDY COUNTY, NM	12/15/94	3/4/95	OIL PRODUCER	3980'/3530'	8 5/8" @ 438' W/415 SXS. CEMENT TO SURFACE. 5 1/2" @ 3979' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 2994'- 3899' (OA) SET CIBP @ 3750' & 3530' IP=31 BOPD
J.L. KEEL "B" #60	1300FNL & 2450FWL SEC 6-T17S-R31E EDDY COUNTY, NM	1/24/95	4/2/95	OIL PRODUCER	4015'/3967'	8 5/8" @ 462' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4014' W/1275 SXS. CEMENT TO SURFACE. PERFORATE: 2856'- 3896' (OA) IP=71 BOPD
J.L. KEEL "B" #61	1410FNL & 150FEL SEC 6-T17S-R31E EDDY COUNTY, NM	6/10/95	7/3/95	OIL PRODUCER	4070'/4055'	8 5/8" @ 434' W/430 SXS. CEMENT TO SURFACE. 5 1/2" @ 4069' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2975'- 4030' (OA) IP=62 BOPD

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J.L. KEEL "B" #62	2650FSL & 2650FWL SEC 6-T17S-R31E EDDY COUNTY, NM	1/31/95	4/30/95	OIL PRODUCER	4030'/3981'	8 5/8" @ 470 W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4029' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2867'- 3923' (OA) IP=65 BOPD
J.L. KEEL "B" #63	1310FSL & 1190FWL SEC 6-T17S-R31E EDDY COUNTY, NM	2/1/95	4/12/95	OIL PRODUCER	4000'/3952'	8 5/8" @ 433' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 3999' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2785'- 3611' (OA) IP=113 BOPD
J.L. KEEL "B" #64	1180FSL & 2350FWL SEC 6-T17S-R31E EDDY COUNTY, NM	12/22/94	4/15/94	OIL PRODUCER	3965'/3932'	8 5/8" @ 460' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3964' W/950 SXS. CEMENT TO SURFACE. PERFORATE: 2800'- 3846' (OA) IP=77 BOPD
J.L. KEEL "B" #67	1290FNL & 2810FEL SEC 5-T17S-R31E EDDY COUNTY, NM	6/25/95	8/7/95	OIL PRODUCER	4225'/4176'	8 5/8" @ 426' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4224' W/1525 SXS. CEMENT TO SURFACE. PERFORATE: 3075'- 4103' (OA) IP=28 BOPD
J.L. KEEL "B" #68	1250FNL & 1300FEL SEC5-T17S-R31E EDDY COUNTY, NM	10/1/95	11/4/95	OIL PRODUCER	4265'/4217'	8 5/8" @ 506' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4264' W/975 SXS. CEMENT TO SURFACE. PERFORATE: 3131'- 4098' (OA) IP=72 BOPD
J.L. KEEL "B" #70	1338FNL & 40FEL SEC 5-T17S-R31E EDDY COUNTY, NM	9/21/95	10/27/95	OIL PRODUCER	4325'/4279'	8 5/8" @ 550' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4324' W/1175 SXS. CEMENT TO SURFACE. PERFORATE: 3223'- 4087' (OA) IP=38 BOPD
J.L. KEEL "B" #71	2521FNL & 67FEL SEC 6-T17S-R31E EDDY COUNTY, NM	3/3/95	5/20/95	OIL PRODUCER	4070'/4023'	8 5/8" @ 466' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4069' W/1475 SXS. CEMENT TO SURFACE. PERFORATE: 2925'- 3830' (OA) IP=99 BOPD

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J.L. KEEL "B" #72	2230FSL & 760FEL SEC 5-T17S-R31E EDDY COUNTY, NM	9/6/95	10/3/95	OIL PRODUCER	4065/4018'	8 5/8" @ 514' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4064' W/825 SXS. CEMENT TO SURFACE. PERFORATE: 3153'- 3740' (OA) IP=44 BOPD
J.L. KEEL "B" #73	1308FSL & 2556FWL SEC 5-T17S-R31E EDDY COUNTY, NM	7/11/95	8/5/95	OIL PRODUCER	4185/4137'	8 5/8" @ 432' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4184' W/1925 SXS. CEMENT TO SURFACE. PERFORATE: 3030'- 3966' (OA) IP=80 BOPD
J.L. KEEL "B" #74	338FNL & 1455FEL SEC 8-T17S-R31E EDDY COUNTY, NM	8/1/95	9/11/95	OIL PRODUCER	4235/4187'	8 5/8" @ 464' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4234' W/1350 SXS. CEMENT TO SURFACE. PERFORATE: 3130'- 4022' (OA) IP=78 BOPD
J.L. KEEL "B" #75	1274FNL & 2456FEL SEC 8-T17S-R31E EDDY COUNTY, NM	7/25/95	9/9/95	OIL PRODUCER	4160/4111'	8 5/8" @ 480' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4159' W/1925 SXS. CEMENT TO SURFACE. PERFORATE: 2994'- 3925' (OA) IP=99 BOPD
J.L. KEEL "B" #76	2030FNL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	3/24/95	8/12/95	OIL PRODUCER	3907/3858'	8 5/8" @ 470' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3708' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3079'- 3748' (OA) IP=130 BOPD
J.L. KEEL "B" #77	1930FNL & 714FEL SEC 8-T17S-R31E EDDY COUNTY, NM	8/2/95	8/23/95	OIL PRODUCER	4000/3952'	8 5/8" @ 532' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 3999' W/2000 SXS. CEMENT TO SURFACE. PERFORATE: 3091'- 3820' (OA) IP=118 BOPD
J.L. KEEL "B" #78	1330FSL & 2616FEL SEC 8-T17S-R31E EDDY COUNTY, NM	6/27/95	7/22/95	OIL PRODUCER	4155/4107'	8 5/8" @ 426' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4154' W/1450 SXS. CEMENT TO SURFACE. PERFORATE: 2902'- 3791' (OA) IP=56 BOPD

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J.L. KEEL "B" #79	1380'FNL & 1453'FEL SEC 6-T17S-R31E EDDY COUNTY, NM	6/2/95	7/14/95	OIL PRODUCER	4025'/3978'	8 5/8" @ 444' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4024' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 2903'- 3736' (OA) IP=84 BOPD
J.L. KEEL "B" #80	2598'FNL & 1293'FEL SEC 5-T17S-R31E EDDY COUNTY, NM	7/3/95	8/13/95	OIL PRODUCER	4220'/4171'	8 5/8" @ 438' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4219' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 3125'- 4066' (OA) IP=30 BOPD
J.L. KEEL "B" #81	2550'FNL & 1190'FWL SEC 6-T17S-R31E EDDY COUNTY, NM	2/14/95	5/17/95	OIL PRODUCER	4000'/3947'	8 5/8" @ 470' W/850 SXS. CEMENT TO SURFACE. 5 1/2" @ 3999' W/1200 SXS. CEMENT TO SURFACE. PERFORATE: 2853'- 3701' (OA) IP=76 BOPD
J.L. KEEL "B" #82	2519'FNL & 1310'FEL SEC 6-T17S-R31E EDDY COUNTY, NM	2/23/95	4/29/95	OIL PRODUCER	4010'/3962'	8 5/8" @ 461' W/330 SXS. CEMENT TO SURFACE. 5 1/2" @ 4009' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2874'- 3898' (OA) IP=52 BOPD
J.L. KEEL "B" #83	2741'FNL & 1330'FWL SEC 5-T17S-R31E EDDY COUNTY, NM	3/11/95	5/27/95	OIL PRODUCER	4125'/4081'	8 5/8" @ 474' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4124' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 3016'- 3877' (OA) IP=88 BOPD
J.L. KEEL "B" #84	2598'FNL & 1293'FEL SEC 5-T17S-R31E EDDY COUNTY, NM	7/3/95	8/13/95	OIL PRODUCER	4220'/4171'	8 5/8" @ 438' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4219' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 3135'- 4066' (OA) IP=30 BOPD
J.L. KEEL "B" #85	1341'FSL & 10'FEL SEC 5-T17S-R31E EDDY COUNTY, NM	8/29/95	10/15/95	OIL PRODUCER	4290'/4242'	8 5/8" @ 496' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4285' W/1055 SXS. CEMENT TO SURFACE. PERFORATE: 3153'- 4061' (OA) IP=142 BOPD

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J.L. KEEL "B" #86	49FSL & 2520FWL SEC 5-T17S-R31E EDDY COUNTY, NM	5/23/95	7/2/95	OIL PRODUCER	4190'/4140'	8 5/8" @ 436' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4168' W/1600 SXS. CEMENT TO SURFACE. PERFORATE: 3016'- 3998' (OA) IP=42 BOPD
J.L. KEEL "B" #87	40FNL & 40FEL SEC 8-T17S-R31E EDDY COUNTY, NM	8/20/95	10/15/95	OIL PRODUCER	4275'/4176'	8 5/8" @ 513' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4274' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 3113'- 4069' (OA) IP=28 BOPD
J.L. KEEL "B" #88	1310FNL & 1200FEL SEC 8-T17S-R31E EDDY COUNTY, NM	7/18/95	9/3/95	OIL PRODUCER	4240'/4190'	8 5/8" @ 440' W/490 SXS. CEMENT TO SURFACE. 5 1/2" @ 4239' W/1800 SXS. CEMENT TO SURFACE. PERFORATE: 3128'- 3991' (OA) IP=131 BOPD
J.L. KEEL "B" #89	1194FNL & 100FEL SEC 8-T17S-R31E EDDY COUNTY, NM	8/11/95	9/27/95	OIL PRODUCER	4290'/4245'	8 5/8" @ 519' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4289' W/1540 SXS. CEMENT TO SURFACE. PERFORATE: 3177'- 4033' (OA) IP=56 BOPD
J.L. KEEL "B" #90	2575FNL & 1335FWL SEC 8-T17S-R31E EDDY COUNTY, NM	3/18/95	4/22/95	OIL PRODUCER	4055'/4015'	8 5/8" @ 475' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4054' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 2886'- 3644' (OA) IP=87 BOPD
J.L. KEEL "B" #91	2664FSL & 2562FEL SEC 8-T17S-R31E EDDY COUNTY, NM	5/15/95	6/22/95	OIL PRODUCER	4069'/4022'	8 5/8" @ 466' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4068' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 2969'- 3964' (OA) IP=176 BOPD
J.L. KEEL "B" #92	2630FSL & 1182FEL SEC 8-T17S-R31E EDDY COUNTY, NM	7/15/95	8/11/95	OIL PRODUCER	4265'/4214'	8 5/8" @ 478' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4264' W/1485 SXS. CEMENT TO SURFACE. PERFORATE: 3041'- 3972' (OA) IP=260 BOPD

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J.L. KEEL "B" #94	1309FSL & 1299FEL SEC 8-T17S-R31E EDDY COUNTY, NM	7/6/95	7/29/95	OIL PRODUCER	4220'/4171'	8 5/8" @ 468' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4219' W/1800 SXS. CEMENT TO SURFACE. PERFORATE: 2975'-3878' (OA) IP=140 BOPD
H.E. WEST "B" #4	660FNL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	6/17/46	9/16/46	OIL PRODUCER	3429'/3429'	8 5/8" @ 666' W/125 SXS 7" @ 3097' W/125 SXS OPEN HOLE COMPLETION: 3097'-3429' IP=40 BOPD PLUGGED & ABANDONED
H.E. WEST "B" #5	1980FNL & 1980FWL SEC 4-T17S-R31E EDDY COUNTY, NM	8/11/50	11/6/50	OIL PRODUCER	3487'/3487'	10 3/4" @ 682' W/150 SXS 7" @ 3186' W/150 SXS OPEN HOLE COMPLETION: 3186'-3487' IP=31 BOPD DEEPENED OPEN HOLE TO 3841' 4 1/2" LINER @ 3105'-3794' W/500 SXS PERFORATE: 3393'-3558' (OA) RETURN TO PRODUCTION
H.E. WEST "B" #6	2005FNL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	3/10/51	5/10/51	OIL PRODUCER	3314'/3314'	10 3/4" @ 669' W/100 SXS 7" @ 3123' W/200 SXS OPEN HOLE COMPLETION: 3123'-3314' IP=100 BOPD DEEPENED OPEN HOLE TO 3556' CONVERT TO WATER INJECTION WELL 4 1/2" LINER @ 3043'-3554' W/150 SXS PERFORATE: 3194'-3464' (OA) RETURN TO WATER INJECTION
H.E. WEST "B" #7	1980FSL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	27/52	4/23/52	OIL PRODUCER	3541'/3541'	8 5/8" @ 649' W/100 SXS 7" @ 3105' W/200 SXS OPEN HOLE COMPLETION: 3105'-3541' DEEPENED OPEN HOLE TO 3765'
			127/63		3765'/3765'	

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>
H.E. WEST "B" #8	660FNL & 660FWL SEC 9-T17S-R31E EDDY COUNTY, NM	2/1/52	4/22/52	OIL PRODUCER	3542'/3542'	8 5/8" @ 630' W/100 SXS 7" @ 3105' W/200 SXS. TOC @ 1575'. OPEN HOLE COMPLETION: 3105'- 3542' IP=60 BOPB UNSUCCESSFUL RECOMPLETION TO SEVEN RIVERS ZONE. PLUGGED & ABANDONED
			6/4/76 6/7/76		3542'/2446'	
H.E. WEST "B" #9	660FSL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	4/29/52	6/11/52	OIL PRODUCER	3544'/3544'	8 5/8" @ 684' W/100 SXS 7" @ 3089' W/200 SXS OPEN HOLE COMPLETION: 3089'- 3544' IP=50 BOPD DEEPENED OPEN HOLE TO 3780' 5" LINER @ 3000'- 3780' W/125 SXS PERFORATE: 3158'- 3729' (OA) CONVERT TO WATER INJECTION WELL
			12/27/63	WATER INJECTOR	3780'/3749'	
H.E. WEST "B" #10	1980FNL & 660FWL SEC 9-T17S-R31E EDDY COUNTY, NM	2/23/53	4/14/53	OIL PRODUCER	3623'/3623'	8 5/8" @ 642' W/100 SXS 7" @ 3097' W/200 SXS OPEN HOLE COMPLETION: 3097'- 3623' IP=35 BOPD 4 1/2" LINER @ 3010'- 3612' W/150 SXS PERFORATE: 3161'- 3435' (OA) CONVERT TO WATER INJECTION WELL
			7/12/64	WATER INJECTOR	3623'/3498'	
H.E. WEST "B" #27	660FSL & 1980FWL SEC 4-T17S-R31E EDDY COUNTY, NM	5/3/61	8/22/61	D & A	12,860'/3750'	13 3/8" @ 650' W/740 SXS. CEMENT TO SURFACE. 9 5/8" @ 3800' W/1300 SXS. CEMENT TO SURFACE. SPOT CEMENT PLUGS: 12,607'-12,860', 11,050'-11,150', 9600'-9700', 700'-7100', 6300'-6400', 3750'-3850' TEMPORARLY ABANDONED CLEAN OUT HOLE TO 3922'. PLUG BACK TO 3885'. PERFORATE: 3180'- 3546' (OA) OPEN HOLE: 3800'- 3885' IP=9 BOPD
			2/6/64	OIL PRODUCER	12,860'/3885'	

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>
H.E. WEST "B" #30	1980FSL & 1980FWL SEC 9-T17S-R31E EDDY COUNTY, NM	1/19/66	2/30/66	WATER INJECTOR	3952'/3810'	8 5/8" @ 551' W/300 SXS. CEMENT TO SURFACE. 4 1/2" @ 3952' W/470 SXS. TOC @ 1824'. PERFORATE: 3394'- 3472' (OA) COMPLETED AS WATER INJECTION WELL PERFORATE: 3247'- 3760' (OA) RETURN TO INJECTION
H.E. WEST "B" #35	1980FSL & 860FWL SEC 9-T17S-R31E EDDY COUNTY, NM	10/5/88	11/10/88	OIL PRODUCER	3815'/3721'	8 5/8" @ 460' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3815' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3732'- 3791' (OA) SET CEMENT RETAINER @ 3721'. SQUEEZE OFF PERFS W/166 SXS. PERFORATE: 3212'- 3707' (OA) IP=250 BOPD
H.E. WEST "B" #39	1980FNL & 1980FWL SEC 9-T17S-R31E EDDY COUNTY, NM	12/13/88	1/26/89	OIL PRODUCER	3868'/3819'	8 5/8" @ 488' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3868' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 3253'- 3815' (OA) IP=58 BOPD
H.E. WEST "B" #43	660FSL & 760FWL SEC 9-T17S-R31E EDDY COUNTY, NM	1/20/89	3/4/89	OIL PRODUCER	3831'/3779'	8 5/8" @ 417' W/512 SXS. CEMENT TO SURFACE. 5 1/2" @ 3831' W/1230 SXS. CEMENT TO SURFACE. PERFORATE: 3141'- 3673' (OA) IP=180 BOPD
H.E. WEST "B" #73	2610FNL & 1270FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/27/94	2/5/95	OIL PRODUCER	4248'/3970'	8 5/8" @ 599' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4247' W/950 SXS. CEMENT TO SURFACE. PERFORATE: 3164'- 4160' (OA) IP=77 BOPD
H.E. WEST "B" #74	686FNL & 654FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/11/95	12/20/95	OIL PRODUCER	4075'/4028'	8 5/8" @ 521' W/390 SXS. CEMENT TO SURFACE. 5 1/2" @ 4074' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 3186'- 3910' (OA) IP=130 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>
H.E. WEST "B" #77	111°FSL & 1210FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/26/95	12/10/95	OIL PRODUCER	4330'/4284'	8 5/8" @ 556' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4329' W/1425 SXS. CEMENT TO SURFACE. PERFORATE: 3110'- 4056' (OA) IP=103 BOPD
H.E. WEST "B" #78	510°FNL & 660FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/3/95	12/7/95	OIL PRODUCER	4090'/4044'	8 5/8" @ 550' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4089' W/975 SXS. CEMENT TO SURFACE. PERFORATE: 3144'- 3888' (OA) IP=90 BOPD
H.E. WEST "B" #80	1410°FSL & 193FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/25/95	1/12/96	OIL PRODUCER	4305'/4257'	8 5/8" @ 539' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4304' W/1090 SXS. CEMENT TO SURFACE. PERFORATE: 3017'- 3676' (OA) IP=154 BOPD
H.E. WEST "B" #83	1195°FNL & 1288FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/19/95	12/12/95	OIL PRODUCER	4330'/4282'	8 5/8" @ 540' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4329' W/875 SXS. CEMENT TO SURFACE. PERFORATE: 3205'- 3795' (OA) IP=173 BOPD
H.E. WEST "B" #84	2620°FSL & 10FWL SEC 4-T17S-R31E EDDY COUNTY, NM	9/13/95	10/6/95	OIL PRODUCER	4320'/4275'	8 5/8" @ 516' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4319' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 3173'- 3779' (OA) IP=70 BOPD
H.E. WEST "B" #87	1310°FSL & 1308FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/18/95	12/9/95	OIL PRODUCER	4345'/4298'	8 5/8" @ 545' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4344' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 3120'- 4089' (OA) IP=49 BOPD
H.E. WEST "B" #88	1309°FNL & 1310FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/10/95	12/21/95	OIL PRODUCER	4345'/4297'	8 5/8" @ 551' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4344' W/1945 SXS. CEMENT TO SURFACE. PERFORATE: 3172'- 3882' (OA) IP=33 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>
H.E. WEST "B" #89	2552FNL & 75FWL SEC 9-T17S-R31E EDDY COUNTY, NM	7/2/95	9/27/95	OIL PRODUCER	4270'/4222'	8 5/8" @ 513' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4269' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3123' - 4099' (OA) IP=65 BOPD
H.E. WEST "B" #90	2570FSL & 1356FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/18/95	1/8/96	OIL PRODUCER	4355'/4315'	8 5/8" @ 567' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4352' W/1260 SXS. CEMENT TO SURFACE. PERFORATE: 3160' - 3892' (OA) IP=15 BOPD
H.E. WEST "B" #91	1365FSL & 1360FWL SEC 9-T17S-R31E EDDY COUNTY, NM	12/2/95	1/12/96	OIL PRODUCER	4350'/4302'	8 5/8" @ 476' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4349' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3143' - 3845' (OA) IP=35 BOPD

VI Wells Within "Area Of Review"

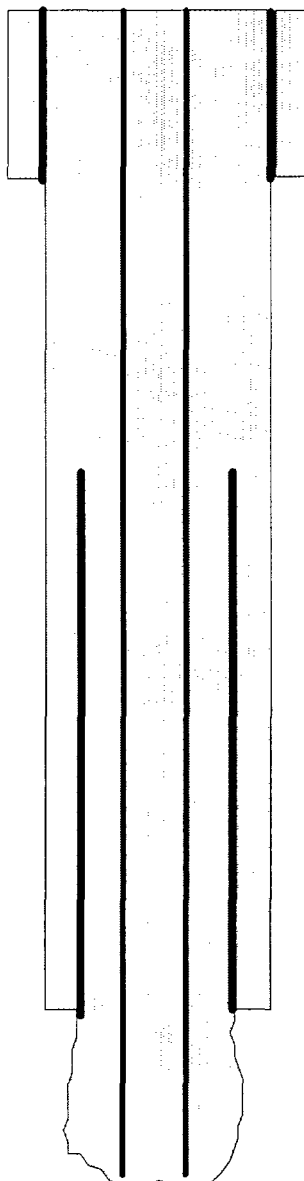
<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH / PBTD</u>	<u>COMPLETION RECORD</u>
WESTERN-STATE #1 Xeric Oil & Gas	660FSL & 660FEL SEC 32-T16S-R31E EDDY COUNTY, NM	6/30/61	8/15/61	OIL PRODUCER	3510'/UNK	8 5/8" @ 338' W/250 SXS 5 1/2" @ 3510' W/175 SXS PERFORATIONS: 3240'- 3481' (OA)
TIDEWATER-ST #2 Xeric Oil & Gas	660FSL & 1980FEL SEC 32-T16S-R31E EDDY COUNTY, NM	3/14/62	4/18/62	OIL PRODUCER	3478'/UNK	8 5/8" @ 349' W/160 SXS 5 1/2" @ 3478' W/250 SXS PERFORATIONS: 3207'- 3375' (OA)
DOOLIN-STATE #1 Kennedy Oil Co.	660FSL & 1980FWL SEC 32-T16S-R31E EDDY COUNTY, NM	1/5/60	2/10/60	OIL PRODUCER	3750'/UNK	9 5/8" @ 358' W/150 SXS 5 1/2" @ 3370' W/600 SXS PERFORATIONS: 3164'- 3283' (OA)
GRIER #1 Everts Drilling Co.	330FSL & 330FEL SEC 31-T16S-R31E EDDY COUNTY, NM	9/25/39	6/16/40	D & A	3854'/----	8 1/4" @ 563' W/50 SXS 7" @ 2750' W/25 SXS OPEN HOLE: 2750'- 3854'
GRIER-FEDERAL #18 Xeric Oil & Gas	660FSL & 1980FEL SEC 31-T16S-R31E EDDY COUNTY, NM	5/1/83	6/30/83	OIL PRODUCER	3425'/UNK	8 5/8" @ 520' W/400 SXS 5 1/2" @ 3424' W/1600 SXS PERFORATIONS: 3084'- 3320' (OA)
KERSEY-STATE #3 Ray Westall	330FNL & 330FWL SEC 16-T17S-R31E EDDY COUNTY, NM	4/25/89	5/10/89	OIL PRODUCER	3680'/3622'	8 5/8" @ 420' W/250 SXS 5 1/2" @ 3680' W/1275 SXS PERFORATIONS: 3109'- 3622' (OA)
FOSTER-FEDERAL #7 Marbob Energy	330FNL & 1650FEL SEC 17-T17S-R31E EDDY COUNTY, NM	11/15/90	1/2/91	OIL PRODUCER	5540'/UNK	8 5/8" @ 464' W/300 SXS 5 1/2" @ 5520' W/1925 SXS PERFORATIONS: 2977'- 3836' (OA)
FOSTER-FEDERAL #8 Marbob Energy	330FNL & 1650FWL SEC 17-T17S-R31E EDDY COUNTY, NM	9/13/89	12/5/89	OIL PRODUCER	6035'/4874'	8 5/8" @ 462' W/300 SXS 5 1/2" @ 6022' W/4400 SXS PERFORATIONS: 2888'- 3813' (OA)

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'

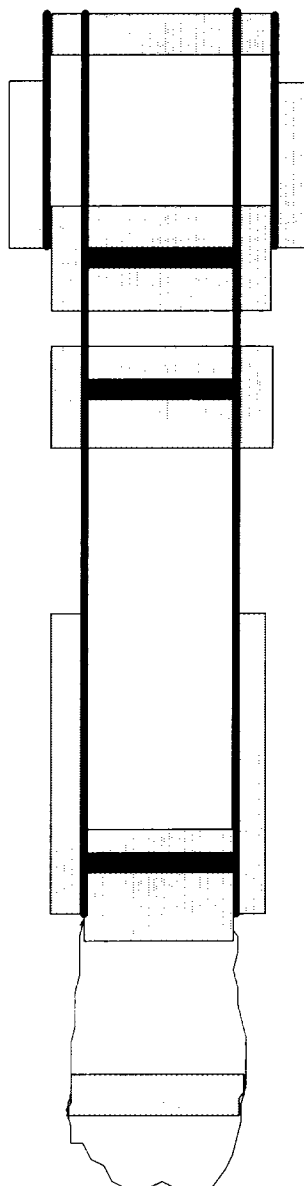
2 7/8" TUBING SET W/698 SXS. CIRCULATED TO SURFACE.

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'

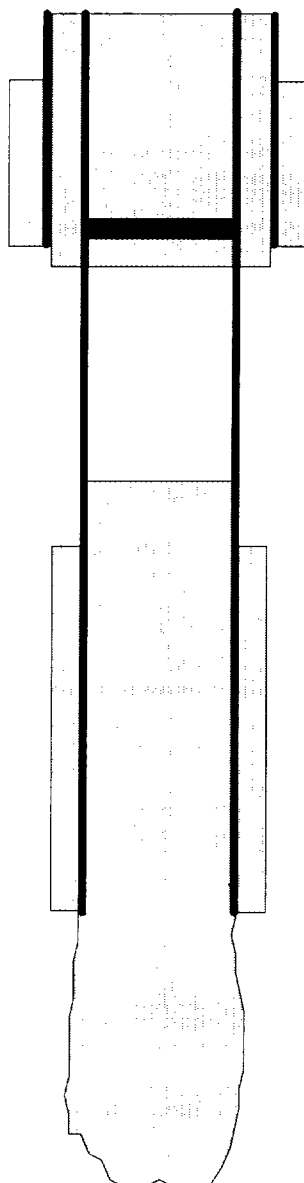
CEMENT PLUG: 4535' - 4657'

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.

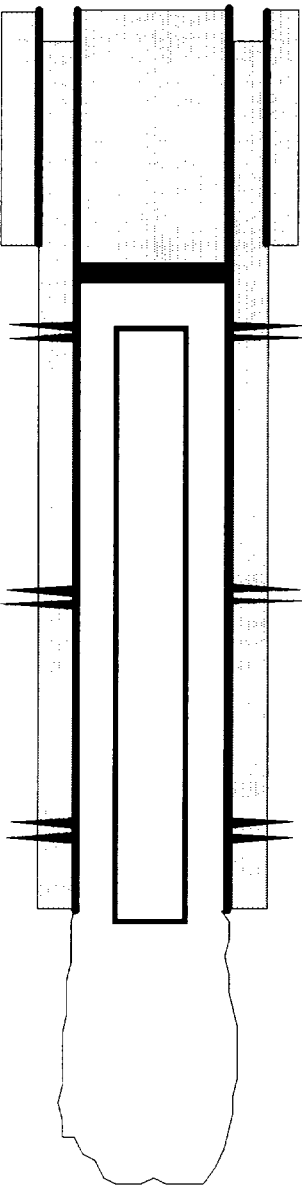
5 1/2" CASING SET W/200 SXS. TOC @ 1480'.

OPEN HOLE COMPLETION: 2852'- 3501'

TD @ 3501'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: J.L. KEEL "A" #19			FIELD: GRAYBURG-JACKSON			
LOCATION: 1350'FSL & 1320'FEL, SEC 7-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3798'; KB=3810'			SPUD DATE: 08/15/94		COMP DATE: 11/24/94	
API#: 30-015-28040		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 519'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 1047'	4 1/2"	11.6#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	673' - 1056'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT

PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 09/22/95

8 5/8" CASING, SET W/305 SXS. TOC @ SURFACE.
 CIBP @ 611', CAP WITH CEMENT TO SURFACE.

PERFORATIONS: 660'- 700' (80 HOLES)
 TOP OF STUCK TUBING @ 673'.

PERFORATIONS: 860'- 880' (40 HOLES)

PERFORATIONS: 940'- 970' (60 HOLES)

4 1/2" CASING SET W/1150 SXS. TOC @ 75' (TEMP SURVEY).
 BOTTOM OF STUCK TUBING @ 1056'.

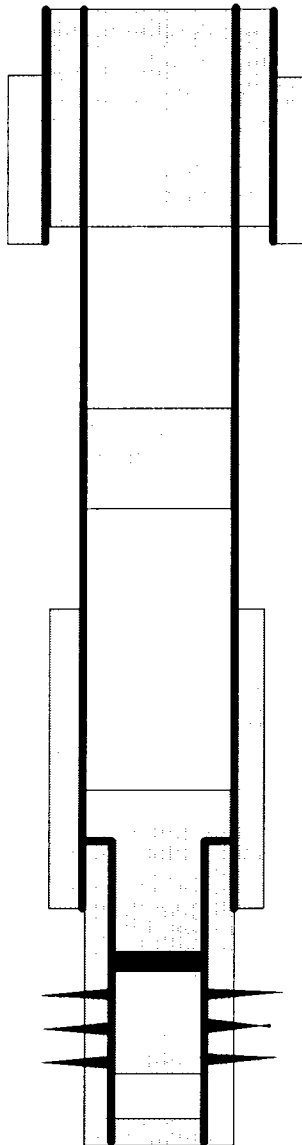
OPEN HOLE COMPLETION: 1047'- 1375'

TD @ 1375'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #8			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 8-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3788'; KB=UNK			SPUD DATE: 05/25/51		COMP DATE: 07/07/51	
API#: 30-015-05109		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 596'	10 3/4"	32.75#			
CASING:	0' - 2945'	7"	26#			
CASING:	2750' - 3400'	4 1/2"	9.5#			
TUBING:						
TUBING:						



CURRENT



PROPOSED

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

CEMENT PLUG: 0' - 580', SET W/350 SXS.
PERF 7" CASING @ 580'.
10 3/4" CASING, SET W/100 SXS. TOC @ UNKNOWN

CEMENT PLUG: 1280' - 1486', SET W/35 SXS.

PERF 7" CASING @ 1475'. UNABLE TO PUMP INTO PERFS.

TOP OF CEMENT PLUG @ 2650'

TOP OF 4 1/2" LINER @ 2750'
7" CASING SET W/200 SXS. TOC @ UNKNOWN

CEMENT RETAINER @ 2985'. PUMP 100 SXS BELOW & CAP W/35 SXS.

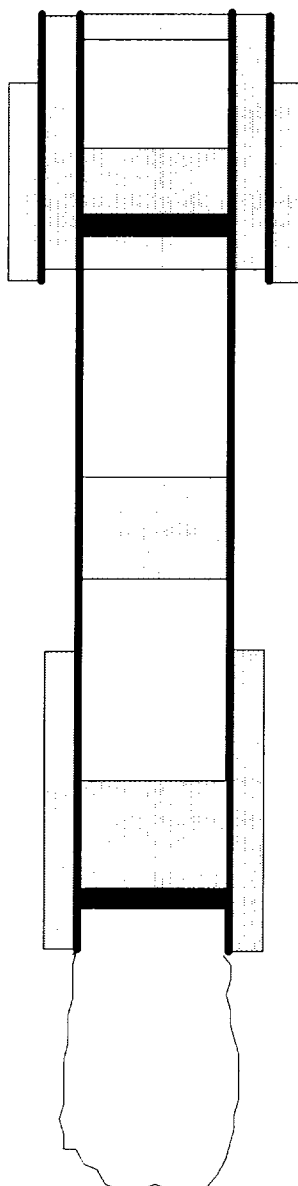
PERFORATIONS: 3008' - 3298' (92 HOLES)

4 1/2" LINER SET W/250 SXS.
TD @ 3400'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #15			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 660'FEL, SEC 8-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3848'; KB=UNK			SPUD DATE: 04/16/52		COMP DATE: 06/13/52	
API#: 30-015-05112		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 782'	8 5/8"	24#			10"
CASING:	0' - 3075'	7"	20#			8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 09/24/81

CEMENT PLUG: 0' - 10'
CEMENT RETAINER @ 650'. PUMP 235 SXS BELOW & CAP W/100'.
PERF 7" CASING @ 700'.
8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

CEMENT PLUG: 1595' - 1695'

TOP OF CEMENT PLUG @ 2707'

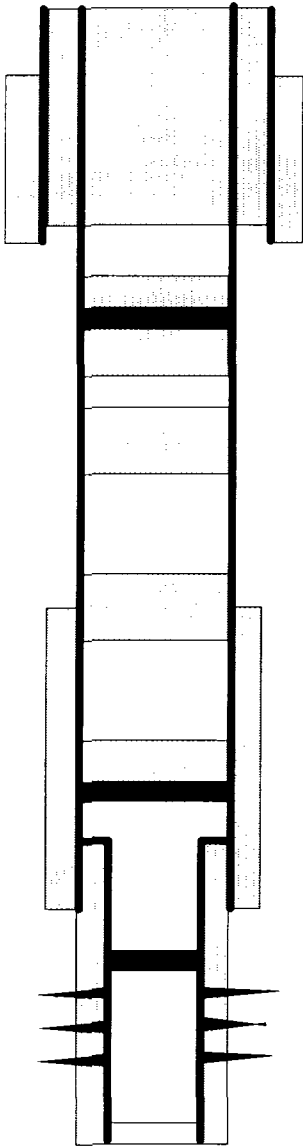
CEMENT RETAINER @ 2967'. CAP RETAINER WITH 50 SXS.
NOTE: UNABLE TO PUMP INTO FORMATION BELOW RETAINER.
7" CASING SET W/200 SXS. TOC @ UNKNOWN

OPEN HOLE COMPLETION: 3075' - 3500'

TD @ 3500'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: J.L. KEEL "B" #16			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 660'FWL, SEC 5-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3895'; KB=UNK			SPUD DATE: 05/01/52		COMP DATE: 07/01/52	
API#: 30-015-05080		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 643'	8 5/8"	24#	J-55		10"
CASING:	0' - 3081'	7"	26#	J-55		8"
CASING:	3002' - 3765'	5"				
TUBING:						
TUBING:						



CURRENT
 PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 05/24/86

CEMENT PLUG: 0' - 600'
 PERF 7" CASING @ 600'.
 8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN

CEMENT RETAINER @ 735'. PUMP 200 SXS BELOW & CAP W/60' CMT.

CEMENT PLUG: 1270' - 1400'

CEMENT PLUG: 1950' - 2080'

CIBP @ 2895', CAP WITH 130' CEMENT.

TOP OF 5" LINER @ 3002'
 7" CASING SET W/200 SXS. TOC @ UNKNOWN

CIBP @ 3090'

PERFORATIONS: 3140' - 3756' (164 HOLES)

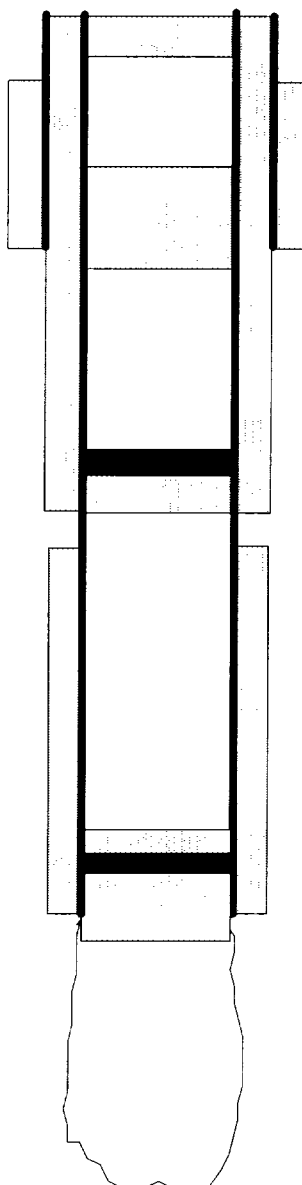
5" LINER SET W/170 SXS.
 TD @ 3780'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #4		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FNL & 660'FWL, SEC 4-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3931'; KB=UNK		SPUD DATE: 06/27/46	COMP DATE: 10/02/46
API#: 30-015-05062	PREPARED BY: C.H. CARLETON		DATE: 03/07/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 666'	8 5/8"	32#			10"
CASING:	0' - 3097'	7"	24#			8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 05/16/81

CEMENT PLUG: 0' - 60'

CEMENT PLUG: 582' - 682'

8 5/8" CASING, SET W/125 SXS. TOC @ UNKNOWN

FILLED 7"- 8 5/8" ANNULUS WITH 100 SXS.

CEMENT RETAINER @ 1759'. PUMP 250 SXS BELOW RETAINER.

PERF 7" CASING @ 1818'- 1820' (2 SPF).

CEMENT RETAINER @ 3007'. PUMP 150 SXS BELOW & CAP W/30' CMT.

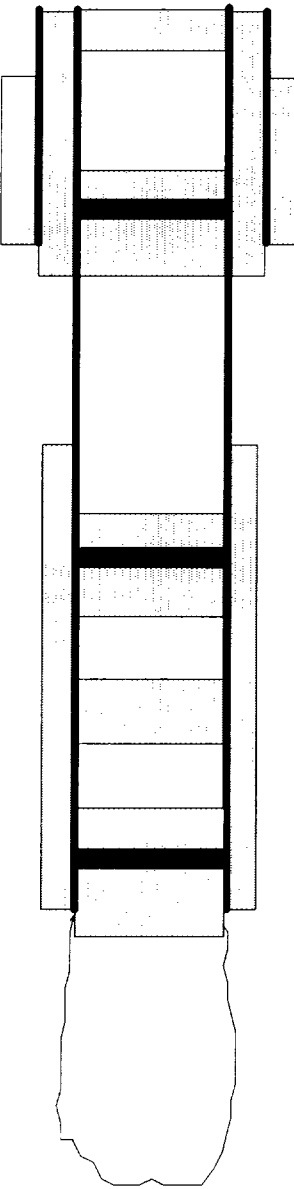
7" CASING SET W/125 SXS. TOC @ 1860'

OPEN HOLE COMPLETION: 3097' - 3429'

TD @ 3429'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: H.E. WEST "B" #8			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FWL, SEC 9-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3882'; KB=UNK			SPUD DATE: 02/01/52		COMP DATE: 04/04/52	
API#:		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 634'	8 5/8"				10"
CASING:	0' - 3105'	7"				8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 06/07/76

SURFACE PLUG SET WITH 10 SXS.
 CEMENT RETAINER @ 557'. PUMP 175 SXS BELOW & CAP W/50' CMT.
 8 5/8" CASING, SET W/100 SXS. TOC @ UNKNOWN
 PERF 7" CASING @ 700'.

CEMENT RETAINER @ 1744'. PUMP 125 SXS BELOW & CAP W/65 SXS.
 PERF 7" CASING @ 2100'- 2261' (8 SHOTS)

CEMENT PLUG: 2350'- 2500'

CEMENT RETAINER @ 3029'. PUMP 200 SXS BELOW & CAP W/50 SXS.
 7" CASING SET W/200 SXS. TOC @ 1575'

OPEN HOLE COMPLETION: 3105'- 3540'

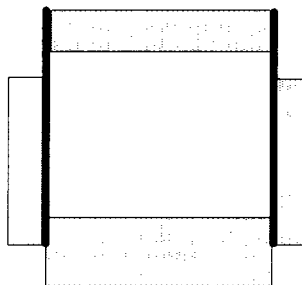
TD @ 3540'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: DOOLIN-STATE #1			FIELD: SQUARE LAKE		
LOCATION: 660'FSL & 1980'FWL, SEC 32-T16S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=UNK; DF=3874'			SPUD DATE: 01/05/60	COMP DATE: 02/10/60	
API#: 30-015-04955		PREPARED BY: C.H. CARLETON			DATE: 03/07/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 358'	9 5/8"				
CASING:	0' - 3370'	5 1/2"				
CASING:						
TUBING:						
TUBING:						

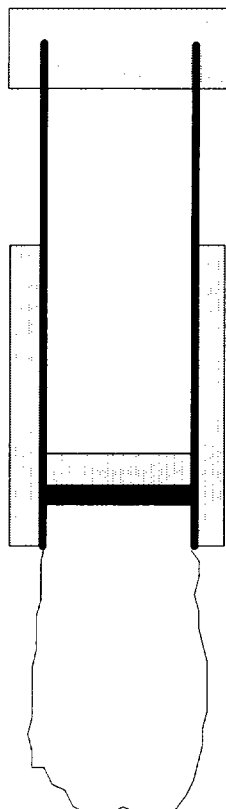


☒ CURRENT

☐ PROPOSED

OPERATOR: KENNEDY OIL COMPANY
DATE PLUGGED: 10/09/74

CEMENT PLUG: 0'- 50'
CEMENT PLUG: 340'- 440'
9 5/8" CASING, SET W/150 SXS. TOC @ UNKNOWN



CEMENT PLUG: 539'- 639'
CUT 5 1/2" CASING @ 589'

CIBP @ 3124', CAP WITH 35' CEMENT.
5 1/2" CASING SET W/600 SXS. TOC @ UNKNOWN

OPEN HOLE COMPLETION: 3370'- 3750'

TD @ 3750'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: GRIER #1			FIELD: UNKNOWN			
LOCATION: 330°FSL & 330°FEL, SEC 31-T16S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3817'; KB=UNK			SPUD DATE: 09/25/39		COMP DATE: 06/16/40	
API#: 30-015-04939		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 563'	8 1/4"				
CASING:	0' - 2750'	7"				
CASING:						
TUBING:						
TUBING:						

☒ CURRENT
☐ PROPOSED

OPERATOR: EVERTS DRILLING COMPANY
DATE PLUGGED: 06/16/40 - D&A

8 1/4" CASING, SET W/50 SXS. TOC @ UNKNOWN

NOTE: NO PLUGGING INFORMATION AVAILABLE PER BLM & OCD

7" CASING SET W/25 SXS. TOC @ UNKNOWN

OPEN HOLE COMPLETION: 2750'- 3854'

TD @ 3854'

**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 5, 6, 7, & 8-T17S-R31E. Offset operators in the "area of review" are as follows:

- (1) Marbob Energy Corporation
Drawer 217
Artesia, NM 88210
- (2) Xeric Oil & Gas Corporation
P.O. Box 51311
Midland, TX 79710
- (3) Ray Westall
P.O. Box 4
Loco Hills, NM 88255

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

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

devon
ENERGY CORPORATION

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

Telephone: 405/235-3611
FAX 405/552-4667

February 19, 1996

Marbob Energy Corporation
Drawer 217
Artesia, NM 88210

RE: Devon Energy Corporation
Grayburg Jackson Waterflood Project - Phase 4
Sections 5,6,7,8-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 approximately sixteen (16) wells to water injection wells 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 hearing 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

RJ/sc
enclosures

xc: Well Files

SENDER: <ul style="list-style-type: none">• Complete items 1 and/or 2 for additional services.• Complete items 3, and 4a & b.• Print your name and address on the reverse of this form so that we can return this card to you.• Attach this form to the front of the mailpiece, or on the back if space does not permit.• Write "Return Receipt Requested" on the mailpiece below the article number.• 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): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Marbob Energy Corporation Drawer 217 Artesia, NM 88210 Offset Notificatoin Grayburg/Jackson Ph IV WF		4a. Article Number Z 731 677 030	
5. Signature (Addressee) MISTI MCLURG		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
6. Signature (Agent) Misti McLurg		7. Date of Delivery 2-23-96	
		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1991 *U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

devon
ENERGY CORPORATION

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

Telephone: 405/235-3611
FAX 405/552-4667

February 19, 1996

Ray Westall
P.O. Box 4
Loco Hills, NM 88255

RE: Devon Energy Corporation
Grayburg Jackson Waterflood Project - Phase 4
Sections 5,6,7,8-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 approximately sixteen (16) wells to water injection wells 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 hearing 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.

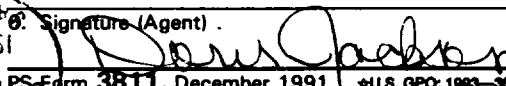
Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

RJ/sc
enclosures

xc: Well Files

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3. Article Addressed to: Ray Westall P.O. Box 4 Loco Hills, NM 88255 Offset Notification Grayburg/Jackson Ph IV WF		4a. Article Number Z 731 677 031	
5. Signature (Addressee)		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
6. Signature (Agent) 		7. Date of Delivery 2-23-96	
PS Form 3811, December 1991		8. Addressee's Address (Only if requested and fee is paid)	

U.S. GPO: 1993-362-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

devon
ENERGY CORPORATION

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

Telephone: 405/235-3611
FAX 405/552-4667

February 19, 1996

Xeric Oil & Gas Corporation
P.O. Box 51311
Midland, TX 79710

RE: Devon Energy Corporation
Grayburg Jackson Waterflood Project - Phase 4
Sections 5,6,7,8-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 approximately sixteen (16) wells to water injection wells 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 hearing 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.


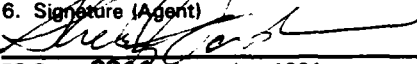
Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

RJ/sc
enclosures

xc: Well Files

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		3. Article Addressed to: Xeric Oil and Gas Corporation P.O. Box 51311 Midland, TX 79710 Offset Operator Notification Grayburg/Jackson Ph IV WF	
4a. Article Number Z 731 677 032		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
5. Signature (Addressee) 		7. Date of Delivery FEB 23 1996	
6. Signature (Agent) 		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1991 U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Affidavit of Publication

Nº 18062

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:

February 21, 19 96
_____, 19____
_____, 19____
_____, 19____
_____, 19____
_____, 19____

That the cost of publication is \$ 25.11,
and that payment thereof has been made and will be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

23rd day of February, 1996
Norma Crump

My commission expires 08/01/98
Notary Public

February 21, 1996

Notice is hereby given that Devon Energy Corporation (Nevada) is applying to the New Mexico Oil Conservation Division to convert sixteen (16) wells to injection wells for secondary recovery purposes in:

Sections 5, 6, 7, & 8 of Township 17S, Range 31E, Eddy County, NM

The intended purpose of these wells is to inject produced waters into the Grayburg/Sand 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 following commission:

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

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

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 5, 6, 7, & 8-T17S-R31E. Offset operators in the "area of review" are as follows:

- (1) Marbob Energy Corporation
Drawer 217
Artesia, NM 88210
- (2) Xeric Oil & Gas Corporation
P.O. Box 51311
Midland, TX 79710
- (3) Ray Westall
P.O. Box 4
Loco Hills, NM 88255

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 405/552-4667

February 19, 1996

Marbob Energy Corporation
Drawer 217
Artesia, NM 88210

RE: Devon Energy Corporation
Grayburg Jackson Waterflood Project - Phase 4
Sections 5,6,7,8-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 approximately sixteen (16) wells to water injection wells 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 hearing 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

RJ/sc
enclosures

xc: Well Files

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3. Article Addressed to: Marbob Energy Corporation Drawer 217 Artesia, NM 88210 Offset Notificatoin Grayburg/Jackson Ph IV WF		4a. Article Number Z 731 677 030	
5. Signature (Addressee) MISTI McLURG		4b. Service Type: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
6. Signature (Agent) MISTI McLURG		7. Date of Delivery 2-23-96	
		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1991 *U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.



ENERGY CORPORATION

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

Telephone: 405/235-3611
FAX 405/552-4667

February 19, 1996

Ray Westall
P.O. Box 4
Loco Hills, NM 88255

RE: Devon Energy Corporation
Grayburg Jackson Waterflood Project - Phase 4
Sections 5,6,7,8-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 approximately sixteen (16) wells to water injection wells 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 hearing 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

RJ/sc
enclosures

xc: Well Files

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3. Article Addressed to: Ray Westall P.O. Box 4 Loco Hills, NM 88255 Offset Notification Grayburg/Jackson Ph IV WF		4a. Article Number Z 731 677 031	
5. Signature (Addressee)		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
6. Signature (Agent) 		7. Date of Delivery 2-23-96	
PS Form 3871, December 1991		8. Addressee's Address (Only if requested and fee is paid)	

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

devon
ENERGY CORPORATION

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

Telephone: 405/235-3611
FAX 405/552-4667

February 19, 1996

Xeric Oil & Gas Corporation
P.O. Box 51311
Midland, TX 79710

RE: Devon Energy Corporation
Grayburg Jackson Waterflood Project - Phase 4
Sections 5,6,7,8-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 approximately sixteen (16) wells to water injection wells 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 hearing of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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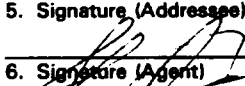
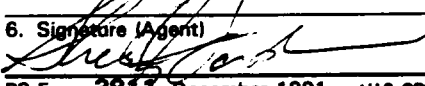
Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

RJ/sc
enclosures

xc: Well Files

SENDER: <ul style="list-style-type: none">• Complete items 1 and/or 2 for additional services.• Complete items 3, and 4a & b.• Print your name and address on the reverse of this form so that we can return this card to you.• Attach this form to the front of the mailpiece, or on the back if space does not permit.• Write "Return Receipt Requested" on the mailpiece below the article number.• 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): <ul style="list-style-type: none">1. <input type="checkbox"/> Addressee's Address2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to: Xeric Oil and Gas Corporation P.O. Box 51311 Midland, TX 79710		4a. Article Number Z 731 677 032	
4b. Service Type <ul style="list-style-type: none"><input type="checkbox"/> Registered<input checked="" type="checkbox"/> Certified<input type="checkbox"/> Express Mail		<input type="checkbox"/> Insured <input type="checkbox"/> COD <input type="checkbox"/> Return Receipt for Merchandise	
5. Signature (Addressee) 		7. Date of Delivery FEB 23 1996	
6. Signature (Agent) 		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3827, December 1991 *U.S. GPO: 1993-352-714

Is your RETURN ADDRESS completed on the reverse side?

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

Affidavit of Publication

Nº 18062

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 pub-
lished 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:

February 21, 19 96
_____, 19 ____
_____, 19 ____
_____, 19 ____
_____, 19 ____
_____, 19 ____

That the cost of publication is \$ 25.11,
and that payment thereof has been made and will
be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

23rd day of February, 1996
Norma Crump

My commission expires 08/01/98
Notary Public

February 21, 1996

Notice is hereby given that
Devon Energy Corporation
(Nevada) is applying to the
New Mexico Oil Conservation
Division to convert sixteen
(16) wells to injection wells for
secondary recovery purposes
in:

Sections 5, 6, 7, & 8 of Town-
ship 17S, Range 31E, Eddy
County, NM

The intended purpose of
these wells is to inject pro-
duced waters into the Gray-
burg/Sand Andres Formations
to enhance oil production
through secondary recovery.
Maximum injection rates of
600 bwpd and a maximum
pressure of 2500 psig are ex-
pected.

Interested parties must file ob-
jections or requests for hear-
ing within 15 days to following
commission:

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

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

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE
