

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Devon Energy Operating Corporation
Address: 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102
Contact party: Mr. Randy Jackson Phone: (404) 552-4560
- 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 R-2268
If yes, give the Division order number authorizing the project _____.
- 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: *Fred Cornell*

Date: June 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.

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CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: DEVON ENERGY OP. CORP. Well: KEEL - WEST - 14 WELLS

Contact: RANDY JACKSON Title: DIST. ENG. Phone: 405-552-4560

DATE IN 7-22 RELEASE DATE 8-6-96 DATE OUT 8-22-96

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

Original Order: R- 2268 ☐ Secondary Recovery ☐ Pressure Maintenance

☐ **SENSITIVE AREAS** ☐ **SALT WATER DISPOSAL** ☐ Commercial Well

☐ WIPP ☐ Capitan Reef

Data is complete for proposed well(s)? YES Additional Data Req'd INFO NEEDED ON
DEVON (?) SI-WI No. 1 IN D-6-175-31E

AREA of REVIEW WELLS

174 Total # of AOR 12 # of Plugged Wells

YES Tabulation Complete ☒ YES Schematics of P & A's

YES Cement Tops Adequate ☐ AOR Repair Required

INJECTION FORMATION

Injection Formation(s) GRBG-SA Compatible Analysis YES

Source of Water or Injectate AREA PRODUCTION

PROOF of NOTICE

☐ Copy of Legal Notice ☐ Information Printed Correctly
☐ Correct Operators ☐ Copies of Certified Mail Receipts
☐ Objection Received ☐ Set to Hearing ☐ Date

NOTES: STILL MISSING P&A SCHEMATIC ON REPOLO IN P-10-175-31E WHICH IS IN
AOR OF WELL B-48 ALSO WEST A-3 IN AOR OF WELL A-11 BOTH NEED TO BE
RE-PLUGGED PRIOR TO INJECTION IN THESE 2 WELLS.

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? ☐

COMMUNICATION WITH CONTACT PERSON:

1st Contact:	<input checked="" type="checkbox"/> Telephoned	<input type="checkbox"/> Letter	<u>8-22-96</u> Date	Nature of Discussion	<u>LEFT MSG.</u>
2nd Contact:	<input type="checkbox"/> Telephoned	<input type="checkbox"/> Letter	_____ Date	Nature of Discussion	_____
3rd Contact:	<input type="checkbox"/> Telephoned	<input type="checkbox"/> Letter	_____ Date	Nature of Discussion	_____

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

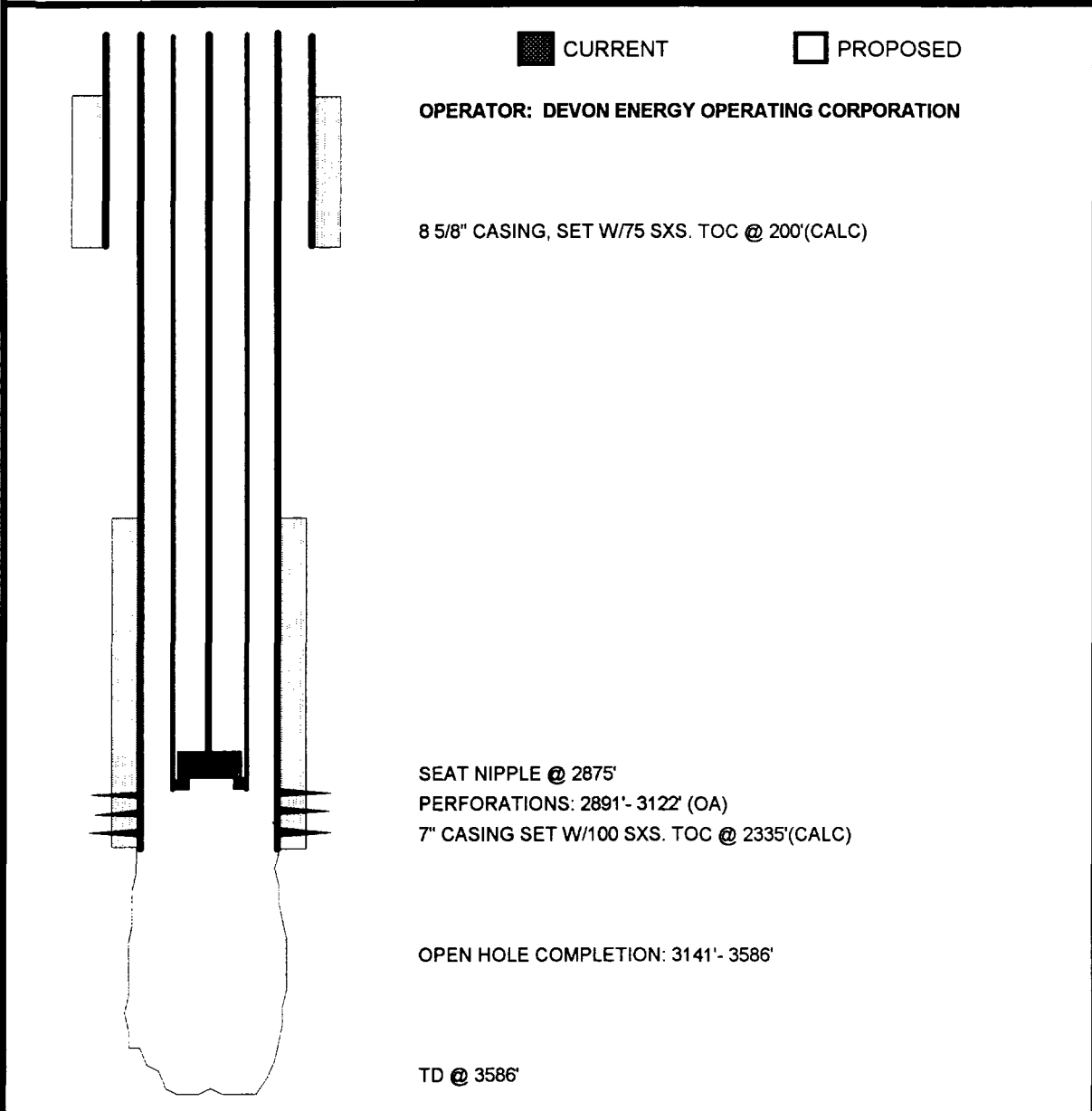
III Well Data:

- A. (1) J.L. Keel "A" #4
1650'FSL & 2310'FWL
Section 7-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 32# @ 556'. Set with 75 sxs. TOC @ 200'(Calculated)
Hole Size = 10"
- Production Casing:
7" 20# @ 3141'. Set with 100 sxs. TOC @ 2335'(Calculated)
Hole Size = 8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2850'.
- (4) 7" Baker J-LOC tension packer set at 2850'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 2891'- 3122' and open hole 3141'- 3586'.
The injection interval is 2700'- 3586'.
- (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'- 3586' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 1650'FSL & 2310'FWL, SEC 7-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK			SPUD DATE: 03/04/39		COMP DATE: 05/16/39	
API#: 30-015-05092		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 556'	8 5/8"	32#			10"
CASING:	0' - 3141'	7"	20#			8"
CASING:						
TUBING:	0' - 2875'	2 7/8"	6.5#	J-55	8rd	
TUBING:						

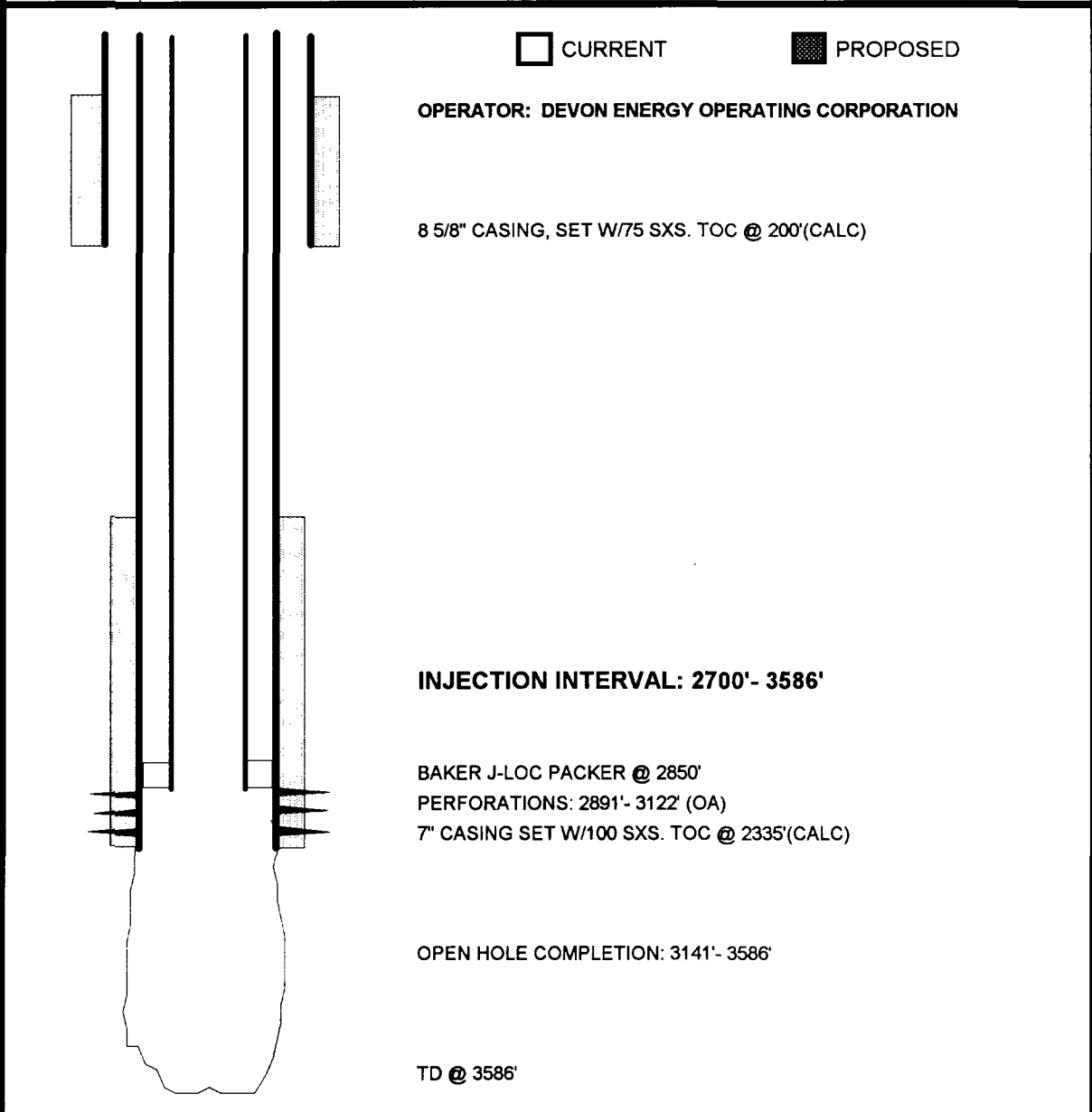


NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 1650'FSL & 2310'FWL, SEC 7-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK			SPUD DATE: 03/04/39		COMP DATE: 05/16/39	
API#: 30-015-05092		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 556'	8 5/8"	32#			10"
CASING:	0' - 3141'	7"	20#			8"
CASING:						
TUBING:	0' - 2850'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



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

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

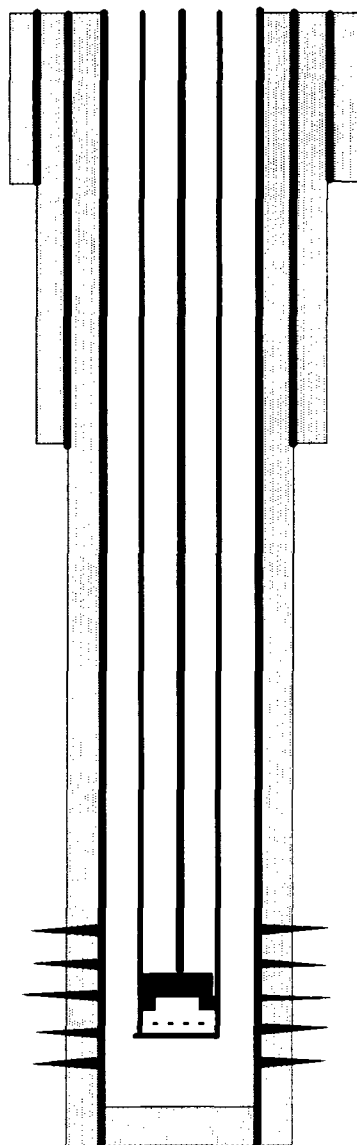
III Well Data:

- A. (1) J.L. Keel "A" #16
2080'FNL & 1700'FWL
Section 7-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
13 3/8" 54.5# K-55 ST&C @ 503'. Set with 1100 sxs. TOC @ surface
Hole Size = 17 1/4"
- Intermediate Casing:
8 5/8" 24# J-55 ST&C @ 1557'. Set with 800 sxs. TOC @ surface
Hole Size = 11"
- Production Casing:
5 1/2" 15.5# K-55 LT&C @ 3592'. 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 at 2900'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 2931'- 3513'. The injection interval is 2710'- 3600'.
- (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 2710'- 3600' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #16			FIELD: GRAYBURG-JACKSON			
LOCATION: 2080'FNL & 1700'FWL, SEC 7-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3718.5'; KB=3730.5'			SPUD DATE: 11/12/85		COMP DATE: 12/19/85	
API#: 30-015-25423		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 503'	13 3/8"	54.5#	K-55	ST&C	17 1/2"
CASING:	0' - 1557'	8 5/8"	24#	J-55	ST&C	11"
CASING:	0' - 3592'	5 1/2"	15.5#	K-55	LT&C	7 7/8"
TUBING:	0' - 3499'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/1100 SXS. TOC @ SURFACE.

8 5/8" CASING, SET W/800 SXS. TOC @ SURFACE.

PERFORATIONS: 2931'- 3513' (OA)

SEAT NIPPLE @ 3461"

PBTD @ 3580'

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

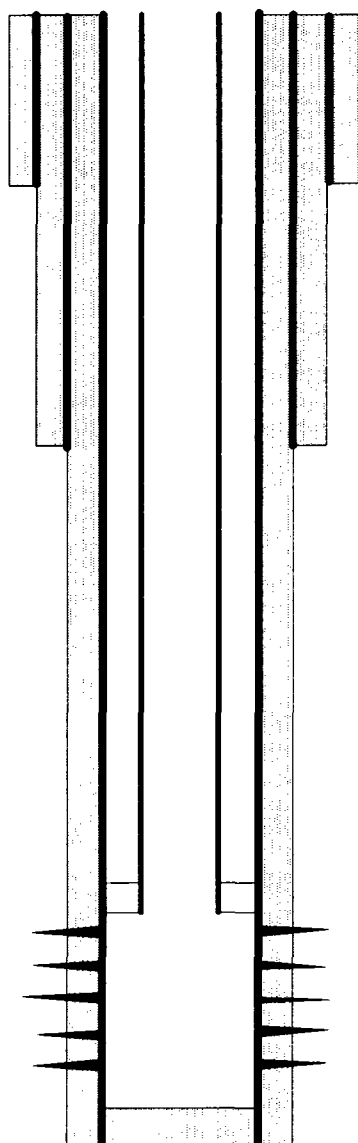
TD @ 3600'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #16		FIELD: GRAYBURG-JACKSON	
LOCATION: 2080'FNL & 1700'FWL, SEC 7-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3718.5'; KB=3730.5'		SPUD DATE: 11/12/85	COMP DATE: 12/19/85
API#: 30-015-25423	PREPARED BY: C.H. CARLETON		DATE: 06/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 503'	13 3/8"	54.5#	K-55	ST&C	17 1/2"
CASING:	0' - 1557'	8 5/8"	24#	J-55	ST&C	11"
CASING:	0' - 3592'	5 1/2"	15.5#	K-55	LT&C	7 7/8"
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/1100 SXS. TOC @ SURFACE.

8 5/8" CASING, SET W/800 SXS. TOC @ SURFACE.

INJECTION INTERVAL: 2710'- 3600'

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2931'- 3513' (OA)

PBTD @ 3580'

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

TD @ 3600'

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

III Well Data:

A. (1) J.L. Keel "A" #17
640'FNL & 2050'FWL
Section 7-T17S-R31E
Eddy County, NM

(2) Surface Casing:
8 5/8" 24# J-55 @ 400'. Set with 300 sxs. TOC @ surface
Hole Size = 12 1/4"

Production Casing:
5 1/2" 15.5# J-55 @ 3785'. 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 at 2850'.

(4) 5 1/2" Baker AD-1 tension packer set at 2850'.

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

(2) The injection interval will be through perforations 2870'- 3741'. The injection interval is 2750'- 3785'.

(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'- 3785' interval.

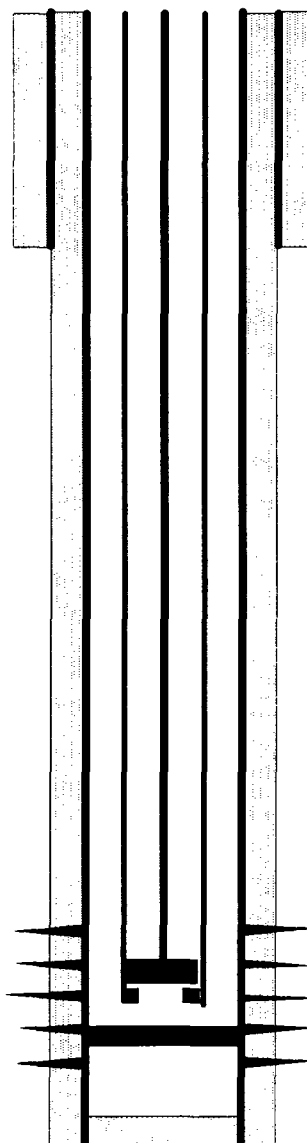
(5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #17	FIELD: GRAYBURG-JACKSON
LOCATION: 640'FNL & 2050'FWL, SEC 7-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3754'; KB=UNK	SPUD DATE: 07/10/88 COMP DATE: 07/20/88
API#: 30-015-25938	PREPARED BY: C.H. CARLETON DATE: 06/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 400'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3785'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3495'	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: 2870' - 3747' (OA)

SEAT NIPPLE @ 3495"

CIBP @ 3527'

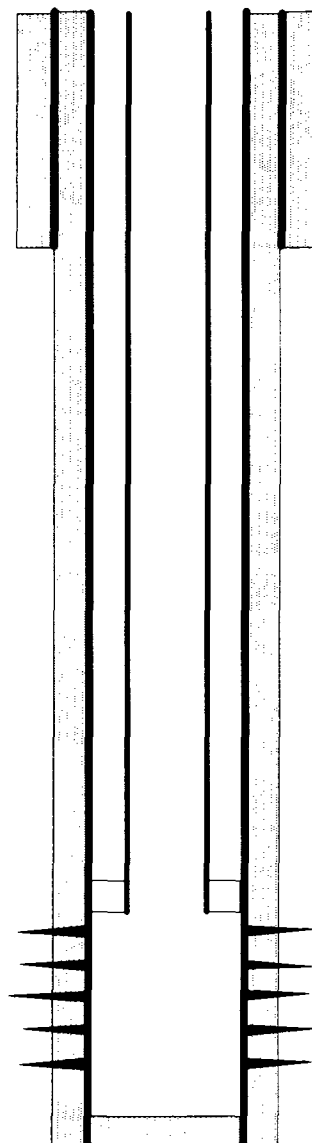
5 1/2" CASING SET W/1500 SXS. TOC @ SURFACE

TD @ 3785'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #17				FIELD: GRAYBURG-JACKSON		
LOCATION: 640'FNL & 2050'FWL, SEC 7-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3754'; KB=UNK				SPUD DATE: 07/10/88		COMP DATE: 07/20/88
API#: 30-015-25938		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 400'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3785'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2850'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

INJECTION INTERVAL: 2750' - 3785'

BAKER AD-1 PACKER @ 2850'
PERFORATIONS: 2870' - 3747' (OA)

5 1/2" CASING SET W/1500 SXS. TOC @ SURFACE
TD @ 3785'

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

III Well Data:

A. (1) J.L. Keel "B" #23
660'FSL & 1700'FWL
Section 6-T17S-R31E
Eddy County, NM

(2) Surface Casing:
10 3/4" 32.75# @ 590'. Set with 100 sxs. TOC @ 240'(Calculated)
Hole Size = 12 1/2"

Production Casing:
7" 26# @ 2805'. Set with 200 sxs. TOC @ 1190'(Calculated)
Hole Size = 8"

(3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2750'.

(4) 7" Baker J-LOC tension packer set at 2750'.

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

(2) The injection interval will be through open hole 2805'- 3465'. The injection interval is 2720'- 3720'.

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

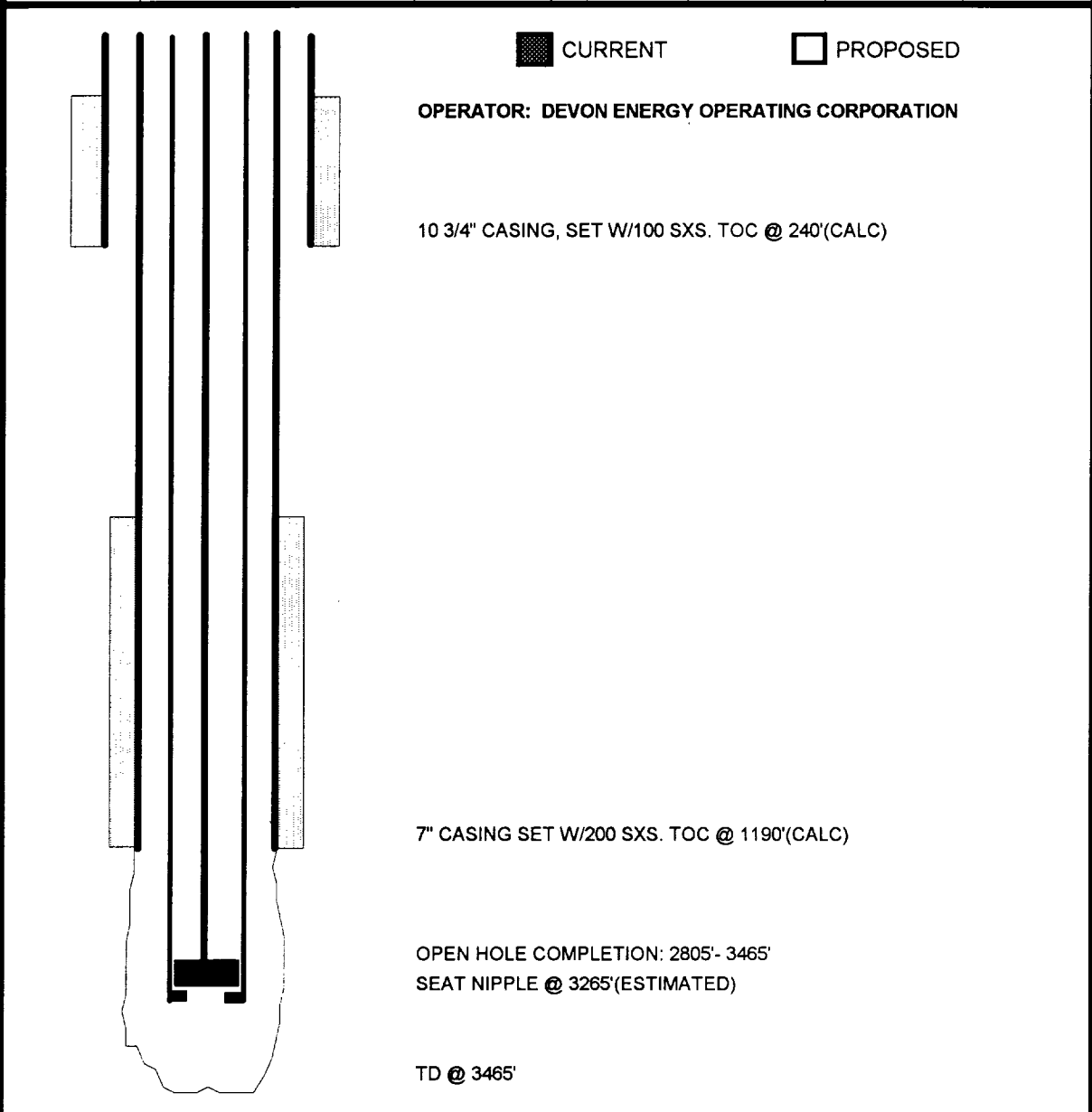
(4) Additional perforations may be added in the 2720'- 3720' interval.

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

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #23			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1700'FWL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3740'; KB=UNK			SPUD DATE: 09/02/56		COMP DATE: 12/01/56	
API#: 30-015-05086		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 590'	10 3/4"	32.75#			12 1/2"
CASING:	0' - 2805'	7"	26#			8"
CASING:						
TUBING:	0' - 3265'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



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

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #23			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1700'FWL, SEC 6-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3740'; KB=UNK			SPUD DATE: 09/02/56		COMP DATE: 12/01/56	
API#: 30-015-05086		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 590'	10 3/4"	32.75#			12 1/2"
CASING:	0' - 2805'	7"	26#			8"
CASING:						
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/100 SXS. TOC @ 240'(CALC)

INJECTION INTERVAL: 2720'- 3720'

BAKER J-LOC PACKER @ 2750'
7" CASING SET W/200 SXS. TOC @ 1190'(CALC)

OPEN HOLE COMPLETION: 2805'- 3465'

TD @ 3465'

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

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

III Well Data:

- A. (1) J.L. Keel "B" #24
1980'FNL & 1694'FWL
Section 6-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
10 3/4" 28.52# @ 509'. Set with 500 sxs. TOC @ surface
Hole Size = 12 1/2"
- Production Casing:
7" 20# @ 3180'. Set with 100 sxs. TOC @ 2685'
Hole Size = 8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2900'.
- (4) 7" Baker J-LOC tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 2953'- 3163' and open hole 3180'- 3519'.
The injection interval is 2770'- 3519'.
- (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 2770'- 3519' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #24			FIELD: GRAYBURG-JACKSON		
LOCATION: 1980'FNL & 1694'FWL, SEC 6-T17S-R31E			COUNTY: EDDY		STATE: NM
ELEVATION: GL=3795'; KB=UNK			SPUD DATE: 12/21/56		COMP DATE: 03/16/57
API#: 30-015-05087		PREPARED BY: C.H. CARLETON			DATE: 06/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 509'	10 3/4"	28.52#			12 1/2"
CASING:	0' - 3180'	7"	20#			8"
CASING:						
TUBING:	0' - 3200'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						

CURRENT

PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/500 SXS. TOC @ SURFACE

PERFORATIONS: 2953'- 3163' (OA)
7" CASING SET W/100 SXS. TOC @ 2685'
SEAT NIPPLE @ 3200'(ESTIMATED)

OPEN HOLE COMPLETION: 3180'- 3519'

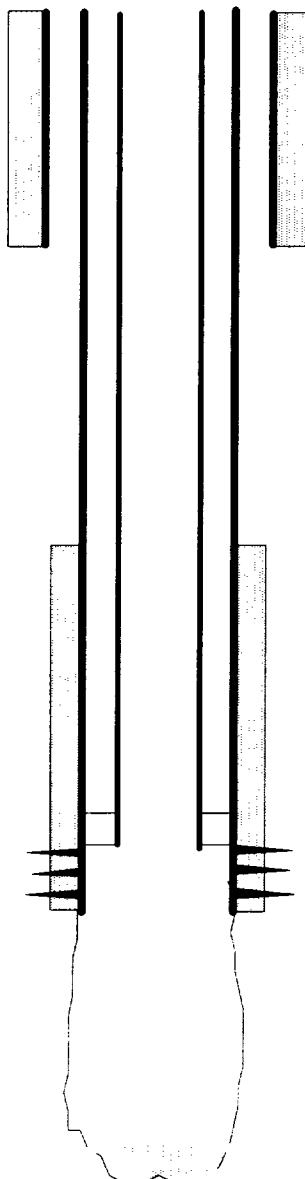
PBTD @ 3490' (FRAC SAND & FILL)
TD @ 3519'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #24			FIELD: GRAYBURG-JACKSON		
LOCATION: 1980'FNL & 1694'FWL, SEC 6-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3795'; KB=UNK			SPUD DATE: 12/21/56	COMP DATE: 03/16/57	
API#: 30-015-05087		PREPARED BY: C.H. CARLETON			DATE: 06/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 509'	10 3/4"	28.52#			12 1/2"
CASING:	0' - 3180'	7"	20#			8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/500 SXS. TOC @ SURFACE

INJECTION INTERVAL: 2770'- 3519'

BAKER J-LOC PACKER @ 2900'

PERFORATIONS: 2953'- 3163' (OA)

7" CASING SET W/100 SXS. TOC @ 2685'

OPEN HOLE COMPLETION: 3180'- 3519'

PBTD @ 3490' (FRAC SAND & FILL)

TD @ 3519'

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

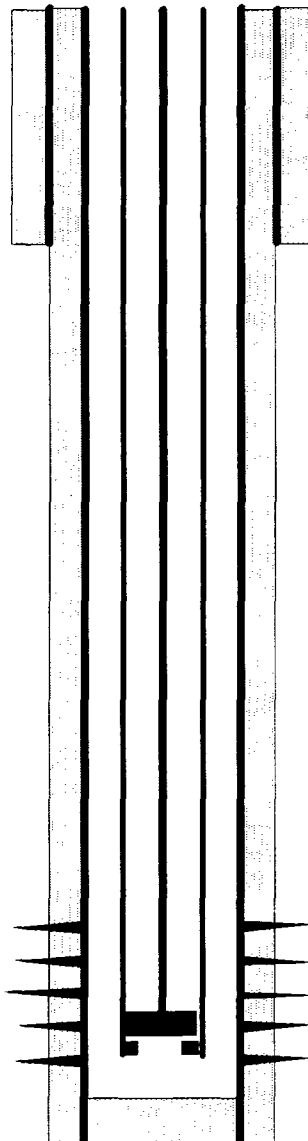
III Well Data:

- A.
- (1) J.L. Keel "B" #42
1980'FSL & 1780'FWL
Section 6-T17S-R31E
Eddy County, NM
 - (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 463'. Set with 395 sxs. TOC @ surface
Hole Size = 12 1/4"
 - Production Casing:
5 1/2" 17# J-55 LT&C @ 3550'. Set with 1200 sxs. TOC @ surface
Hole Size = 7 7/8"
 - (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2850'.
 - (4) 5 1/2" Baker AD-1 tension packer set at 2850'.
- B.
- (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
 - (2) The injection interval will be through perforations 2915'- 3509'. The injection interval is 2750'- 3550'.
 - (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'- 3550' interval.
 - (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #42			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 1780'FWL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3757'; KB=3768'			SPUD DATE: 09/07/88		COMP DATE: 09/29/88	
API#: 30-015-25974		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 463'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3550'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3508'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/395 SXS. TOC @ SURFACE.

PERFORATIONS: 2915'- 3509' (OA)

SEAT NIPPLE @ 3508"

PBTD @ 3515'

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

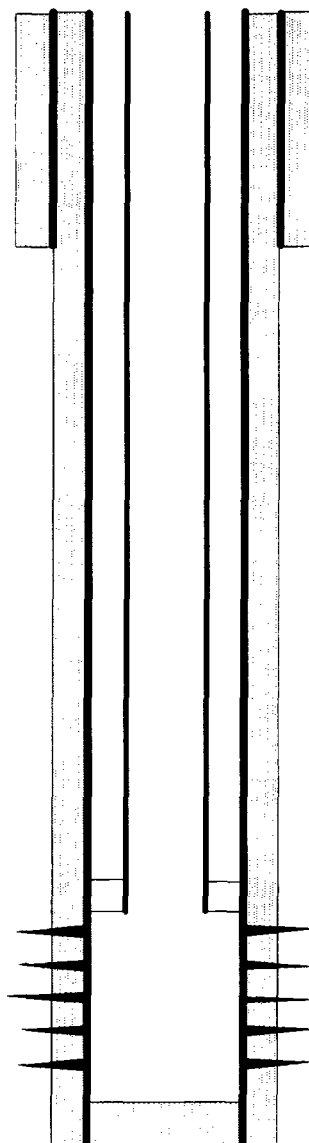
TD @ 3550'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #42		FIELD: GRAYBURG-JACKSON	
LOCATION: 1980'FSL & 1780'FWL, SEC 6-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3757'; KB=3768'		SPUD DATE: 09/07/88	COMP DATE: 09/29/88
API#: 30-015-25974	PREPARED BY: C.H. CARLETON		DATE: 06/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 463'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3550'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2850'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/395 SXS. TOC @ SURFACE.

INJECTION INTERVAL: 2750'- 3550'

BAKER AD-1 PACKER @ 2850'
PERFORATIONS: 2915'- 3509' (OA)

PBTD @ 3515'
5 1/2" CASING SET W/1200 SXS. TOC @ SURFACE
TD @ 3550'

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

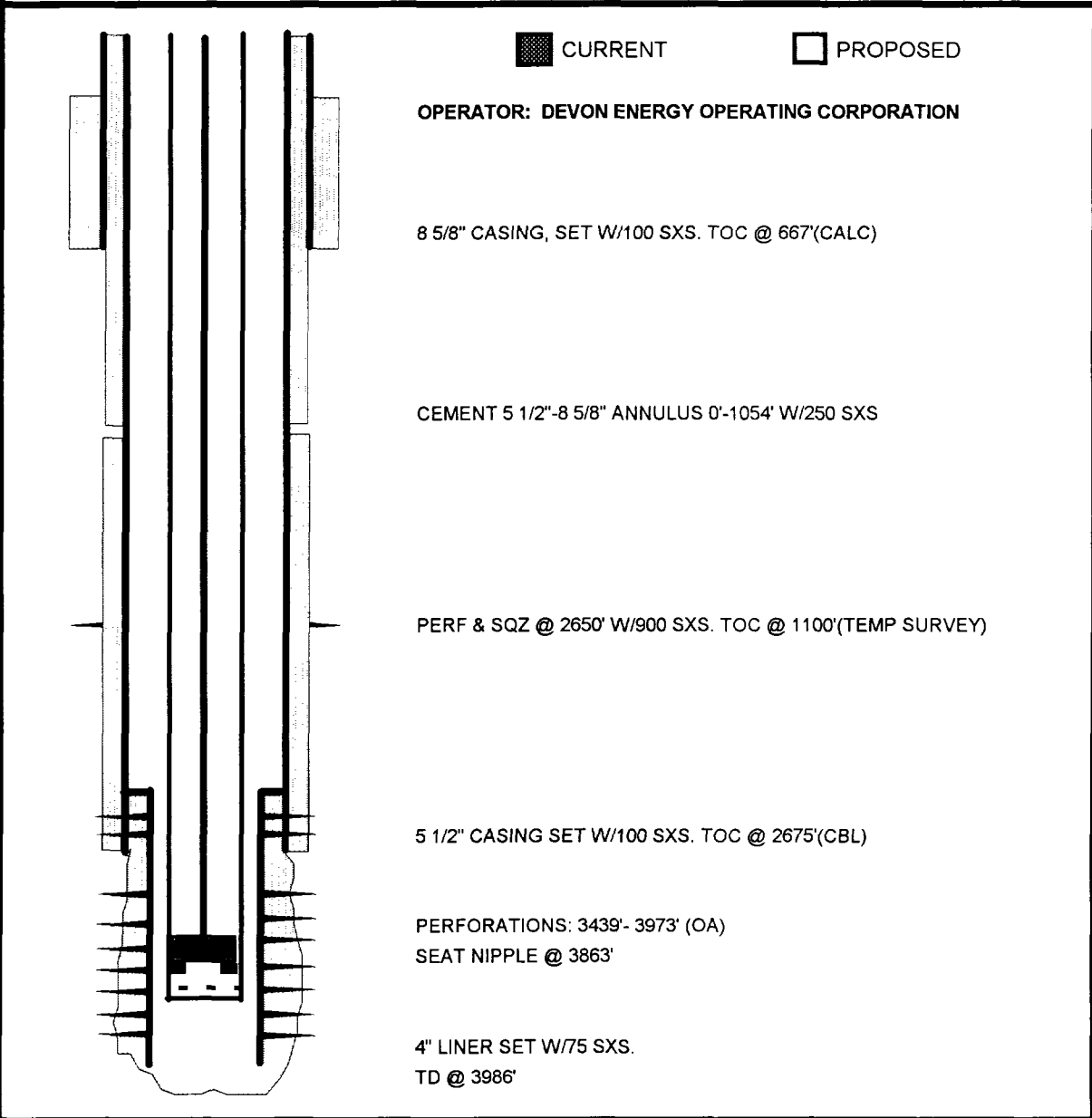
III Well Data:

- A. (1) H.E. West "A" #11
1980'FNL & 1980'FEL
Section 3-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 @ 817'. Set with 100 sxs. TOC @ 667'(Calculated)
Hole Size = 12 1/2"
- Production Casing:
5 1/2" 14# J-55 @ 3500'. Set with 100 sxs. TOC @ 3120'(Calculated)
Hole Size = 8"
- Liner:
4" @ 3246'- 3986'. Set with 75 sxs.
Hole Size = 4 3/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3240'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3240'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 3439'- 3973'. The injection interval is 3220'- 3986'.
- (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 3220'- 3986' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "A" #11			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3972'; KB=UNK			SPUD DATE: 09/29/59		COMP DATE: 11/27/59	
API#: 30-015-05054		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 817'	8 5/8"	24#	J-55		12 1/2"
CASING:	0' - 3500'	5 1/2"	14#	J-55		8"
CASING:	3246' - 3986'	4"				4 3/4"
TUBING:	0' - 3901'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



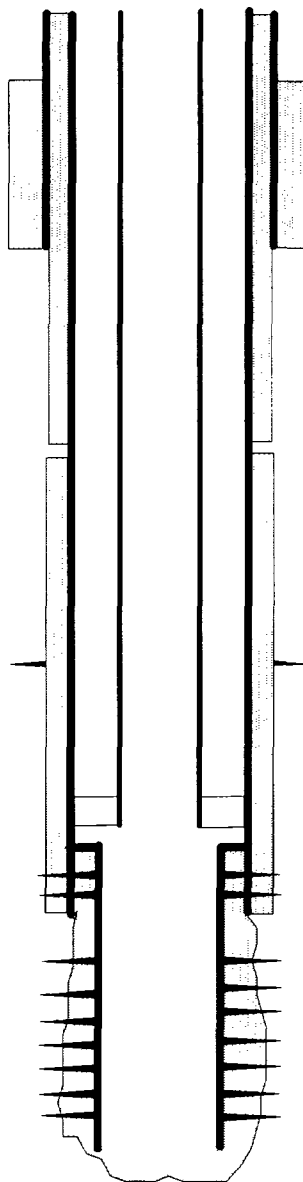
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "A" #11	FIELD: GRAYBURG-JACKSON
LOCATION: 1980'FNL & 1980'FEL, SEC 3-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3972'; KB=UNK	SPUD DATE: 09/29/59 COMP DATE: 11/27/59
API#: 30-015-05054	PREPARED BY: C.H. CARLETON DATE: 06/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 817'	8 5/8"	24#	J-55		12 1/2"
CASING:	0' - 3500'	5 1/2"	14#	J-55		8"
CASING:	3246' - 3986'	4"				4 3/4"
TUBING:	0' - 3240'	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 @ 667'(CALC)

CEMENT 5 1/2"-8 5/8" ANNULUS 0'-1054' W/250 SXS

PERF & SQZ @ 2650' W/900 SXS. TOC @ 1100'(TEMP SURVEY)

INJECTION INTERVAL: 3220'- 3986'

BAKER AD-1 PACKER @ 3240'

5 1/2" CASING SET W/100 SXS. TOC @ 2675'(CBL)

PERFORATIONS: 3439'- 3973' (OA)

4" LINER SET W/75 SXS.
TD @ 3986'

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

III Well Data:

A.

- (1) H.E. West "B" #1
660' FNL & 1980' FEL
Section 10-T17S-R31E
Eddy County, NM

WFX
679

- (2) Surface Casing:
8 5/8" 24# J-55 @ 810'. Set with 400 sxs. TOC @ surface
Hole Size = 12 1/4"

Production Casing:
4 1/2" 10.5, 11.6# J-55 @ 5515'. Set with 850 sxs. TOC @ 3052' (Calculated)
Hole Size = 7 7/8"

- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3350'.

- (4) 4 1/2" Baker AD-1 tension packer set at 3350'.

B.

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

- (2) The injection interval will be through perforations 3380'- 3939'. The injection interval is 3210'- 3950'.

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

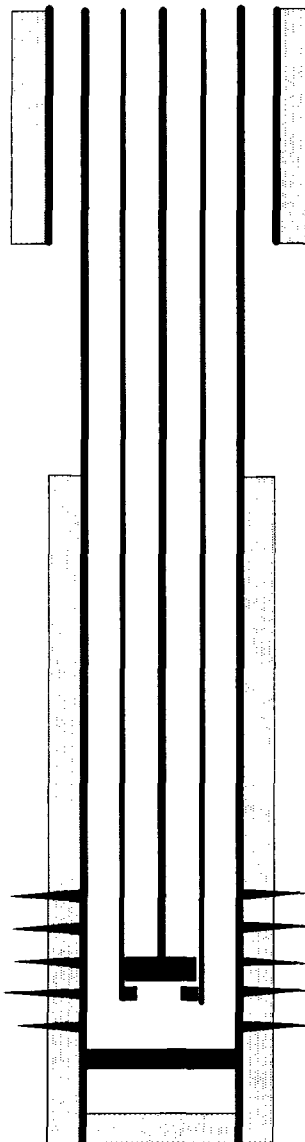
- (4) Additional perforations may be added in the 3210'- 3950' interval.

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

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 10-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3940'; KB=3957'			SPUD DATE: 08/26/78		COMP DATE: 11/01/78	
API#: 30-015-22662		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 810'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 5515'	4 1/2"	10.5#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3881'	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.

PERFORATIONS: 3380' - 3935' (OA)

SEAT NIPPLE @ 3881"

CIBP @ 4300'

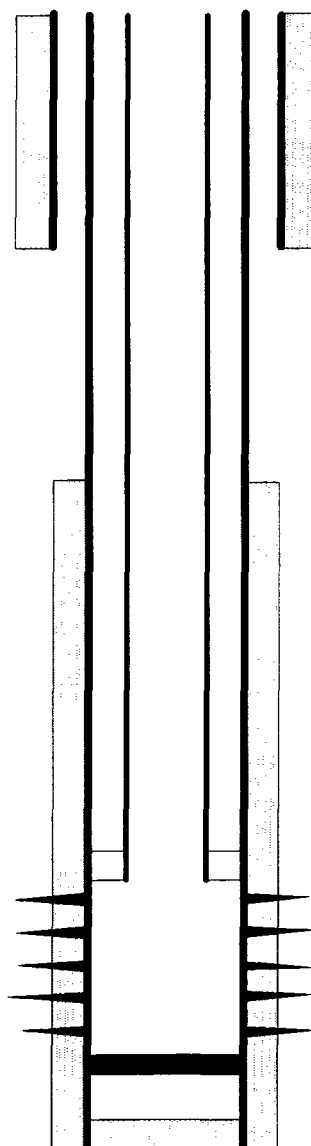
5 1/2" CASING SET W/850 SXS. TOC @ 1800'

TD @ 5515'

Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 10-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3940'; KB=3957'			SPUD DATE: 08/26/78		COMP DATE: 11/01/78	
API#: 30-015-22662		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 810'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 5515'	4 1/2"	10.5#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3350'	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.

INJECTION INTERVAL: 3210' - 3950'

BAKER AD-1 PACKER @ 3350'

PERFORATIONS: 3380' - 3935' (OA)

CIBP @ 4300'

5 1/2" CASING SET W/850 SXS. TOC @ 1800'

TD @ 5515'

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

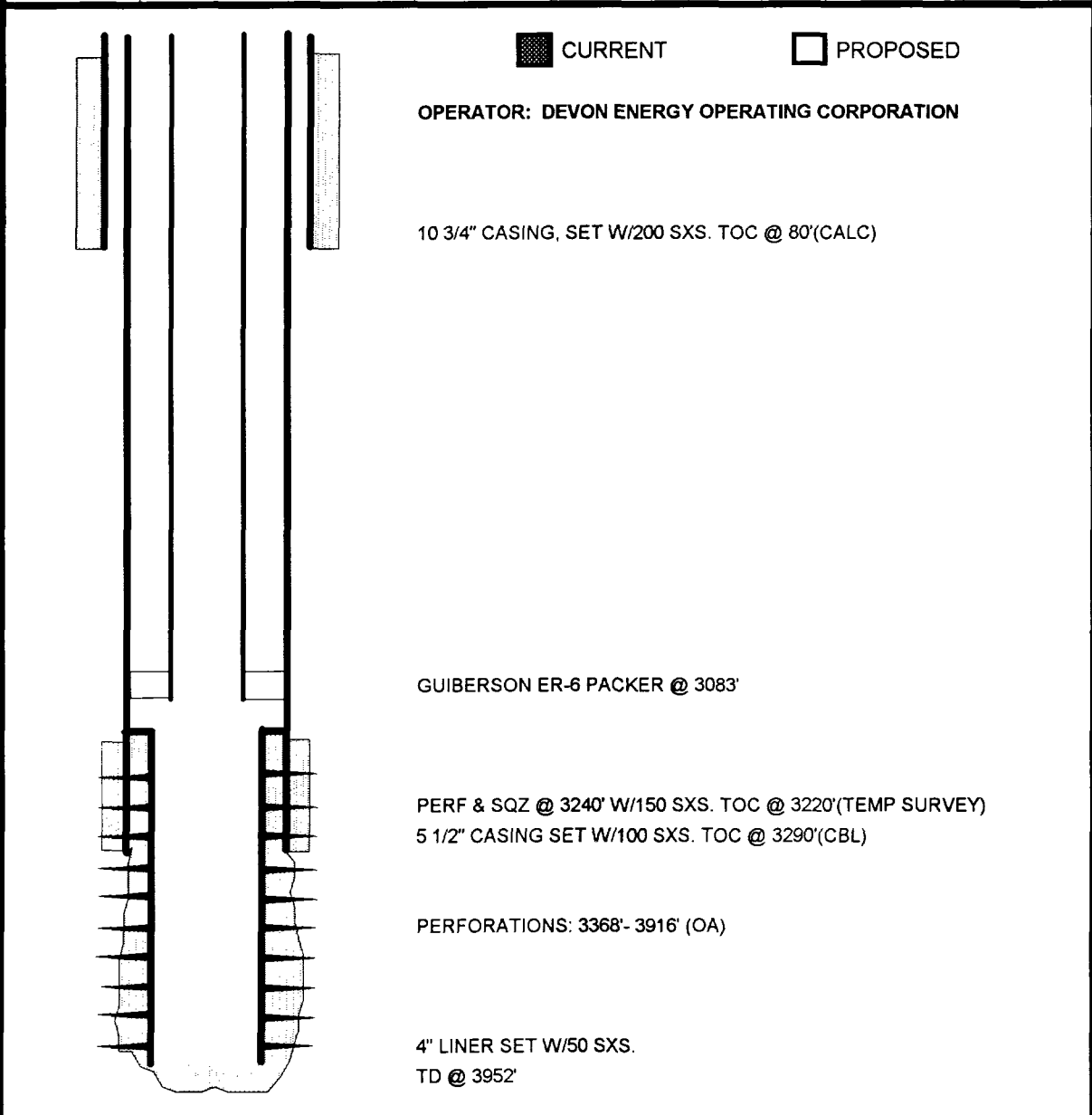
III Well Data:

- A. (1) H.E. West "B" #15
1980'FNL & 1980'FEL
Section 10-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
10 3/4" 32.75# H-40 @ 780'. Set with 200 sxs. TOC @ 80'(Calculated)
Hole Size = 12 1/2"
- Production Casing:
5 1/2" 14# J-55 @ 3728'. Set with 100 sxs. TOC @ 3290'(CBL)
Hole Size = 8 1/4"
- Liner:
4" @ 3119'- 3952'. Set with 50 sxs.
Hole Size = 4 3/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3100'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3100'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 3368'- 3916'. The injection interval is 3180'- 3952'.
- (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 3180'- 3952' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #15			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 10-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3919'; KB=UNK			SPUD DATE: 05/08/58		COMP DATE: 07/08/58	
API#: 30-015-05124		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 780'	10 3/4"	32.75#	H-40		12 1/2"
CASING:	0' - 3728'	5 1/2"	14#	J-55		8 1/4"
CASING:	3119' - 3952'	4"				4 3/4"
TUBING:	0' - 3083'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

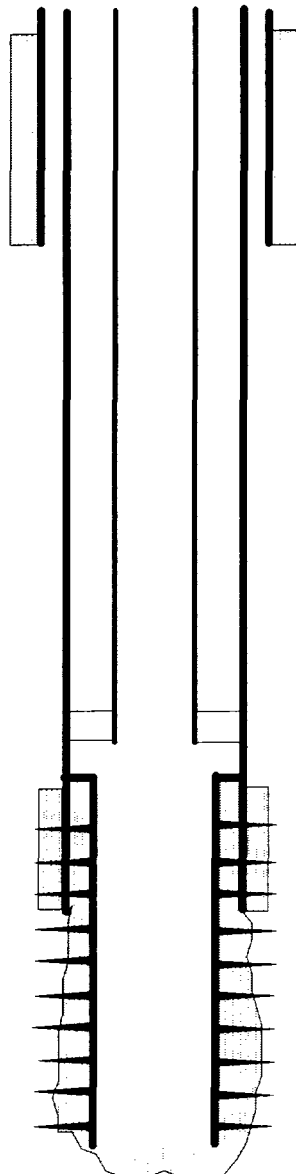


NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #15			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 10-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3919'; KB=UNK			SPUD DATE: 05/08/58		COMP DATE: 07/08/58	
API#: 30-015-05124		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 780'	10 3/4"	32.75#	H-40		12 1/2"
CASING:	0' - 3728'	5 1/2"	14#	J-55		8 1/4"
CASING:	3119' - 3952'	4"				4 3/4"
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT

PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/200 SXS. TOC @ 80'(CALC)

INJECTION INTERVAL: 3180'- 3952'

BAKER AD-1 PACKER @ 3100'

PERF & SQZ @ 3240' W/150 SXS. TOC @ 3220'(TEMP SURVEY)

5 1/2" CASING SET W/100 SXS. TOC @ 3290'(CBL)

PERFORATIONS: 3368'- 3916' (OA)

4" LINER SET W/50 SXS.

TD @ 3952'

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

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

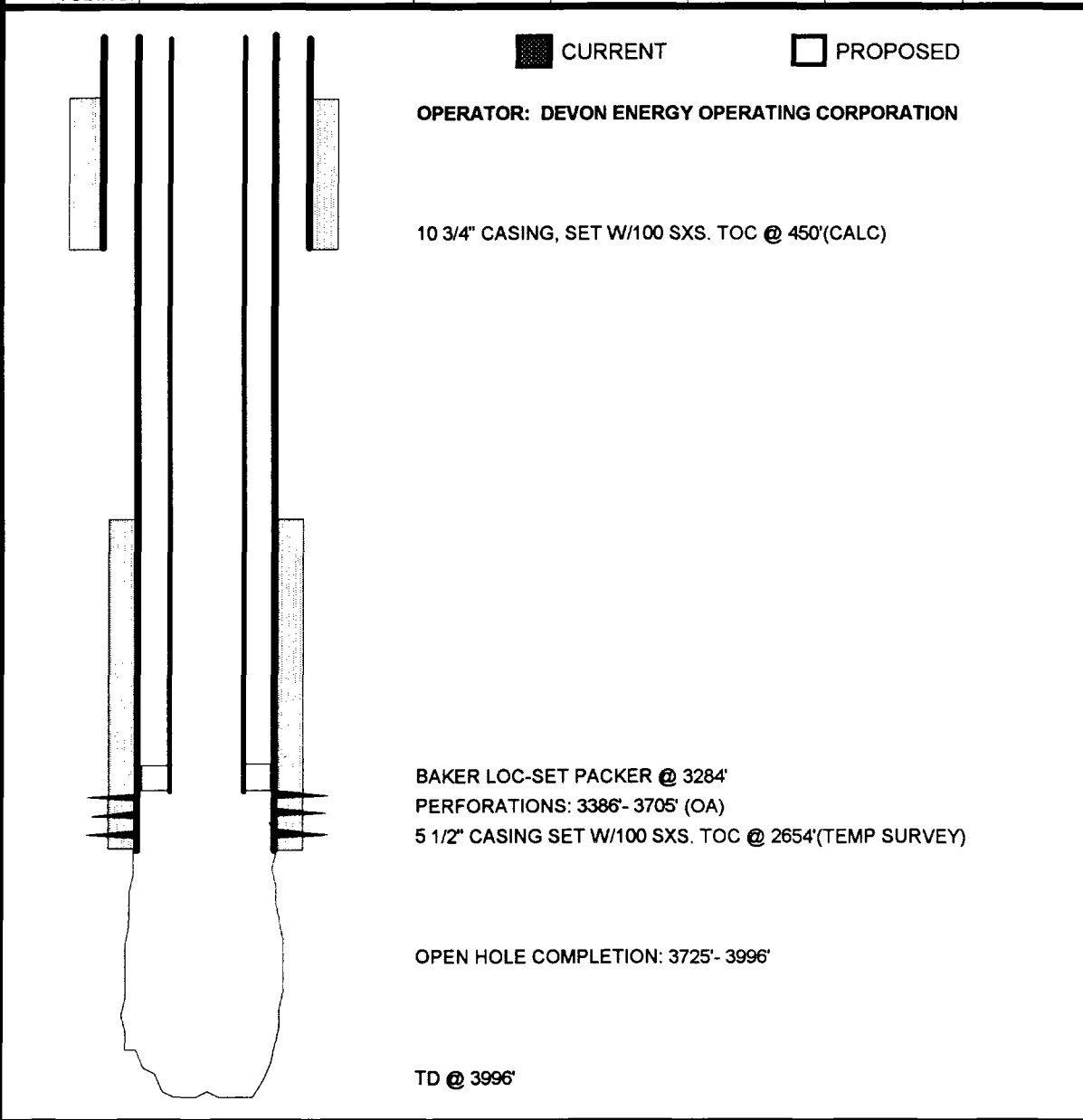
III Well Data:

- A. (1) H.E. West "B" #18
660'FSL & 1980'FEL
Section 3-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
10 3/4" 32.75# H-40 @ 797'. Set with 100 sxs. TOC @ 450'(Calculated)
Hole Size = 12 1/2"
- Production Casing:
5 1/2" 17# J-55 @ 3725'. Set with 100 sxs. TOC @ 2654'(Temp Survey)
Hole Size = 8 1/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3350'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3350'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 3386'- 3705' and open hole 3725'- 4100'.
The injection interval is 3200'- 4100'.
- (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 3200'- 4100' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #18				FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 1980'FEL, SEC 3-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3948'; KB=UNK				SPUD DATE: 10/24/58		COMP DATE: 12/16/58
API#: 30-015-05057		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 797'	10 3/4"	32.75#	H-40		12 1/2"
CASING:	0' - 3725'	5 1/2"	17#	J-55		8 1/4"
CASING:						
TUBING:	0' - 3284'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

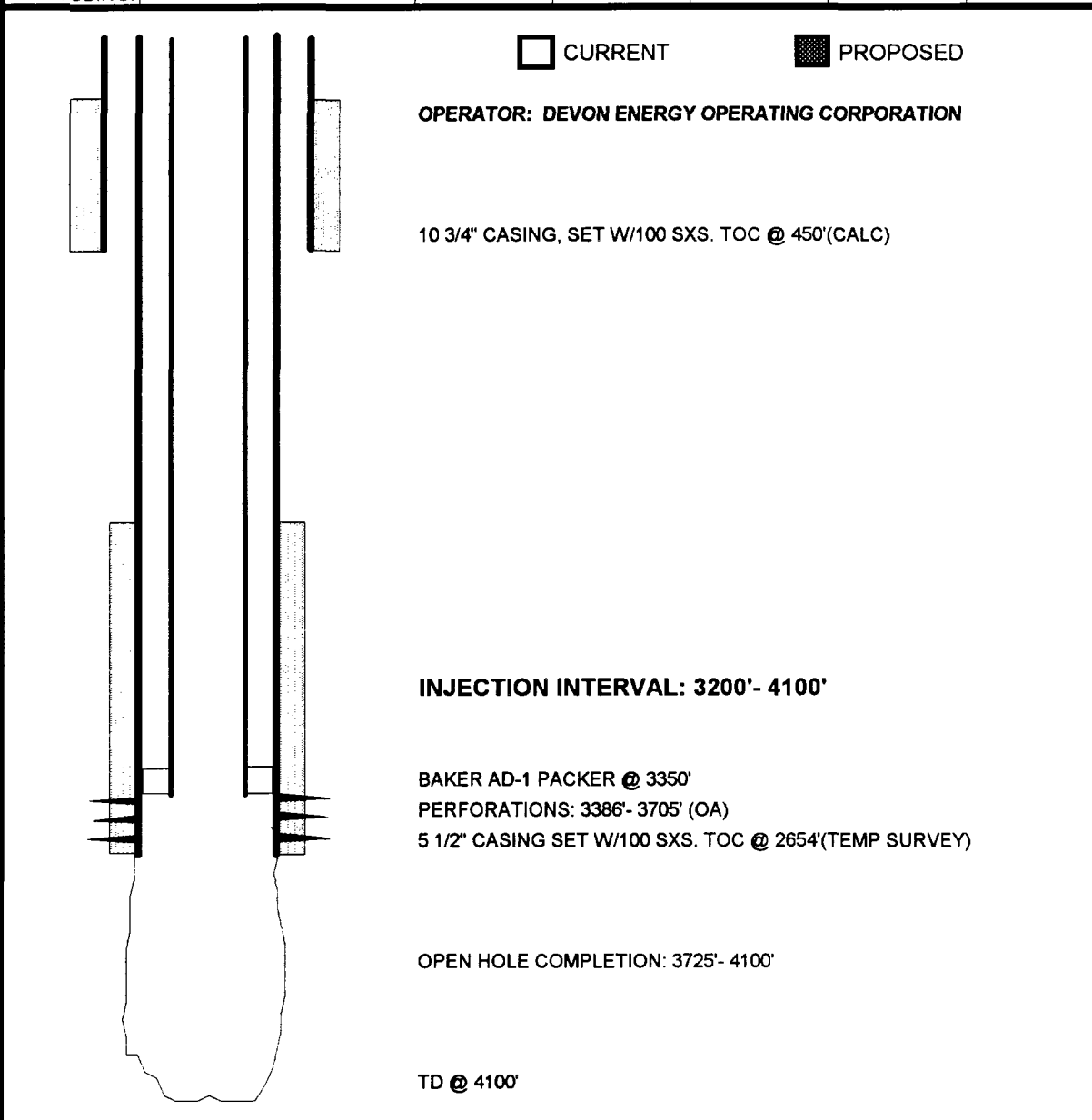


NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #18			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FEL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3948'; KB=UNK			SPUD DATE: 10/24/58		COMP DATE: 12/16/58	
API#: 30-015-05057		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 797'	10 3/4"	32.75#	H-40		12 1/2"
CASING:	0' - 3725'	5 1/2"	17#	J-55		8 1/4"
CASING:						
TUBING:	0' - 3350'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



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

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

III Well Data:

A.

- (1) H.E. West "B" #37
1980 FSL & 1980 FEL
Section 3-T17S-R31E
Eddy County, NM

WFX-619
P

- (2) Surface Casing:

8 5/8" 24# J-55 ST&C @ 627'. Set with 400 sxs. TOC @ surface
Hole Size = 12 1/4"

Production Casing:

5 1/2" 17# J-55 LT&C @ 4082'. Set with 1350 sxs. TOC @ surface
Hole Size = 7 7/8"

- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3350'.

- (4) 5 1/2" Baker AD-1 tension packer set at 3350'.

B.

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

- (2) The injection interval will be through perforations 3410'- 4009'. The injection interval is 3220'- 4082'.

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

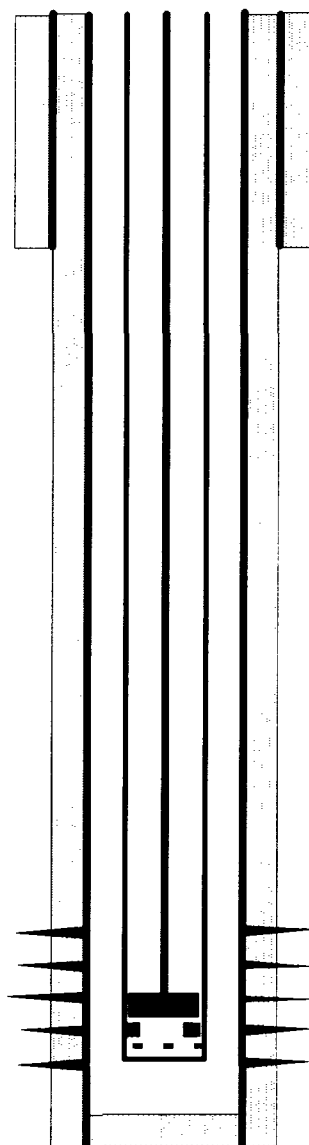
- (4) Additional perforations may be added in the 3220'- 4082' interval.

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

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #37			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 1980'FEL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3690'; KB=UNK			SPUD DATE: 11/12/88		COMP DATE: 12/23/88	
API#: 30-015-26000		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 627'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 4082'	5 1/2"	17#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3879'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

PERFORATIONS: 3410' - 4009' (OA)

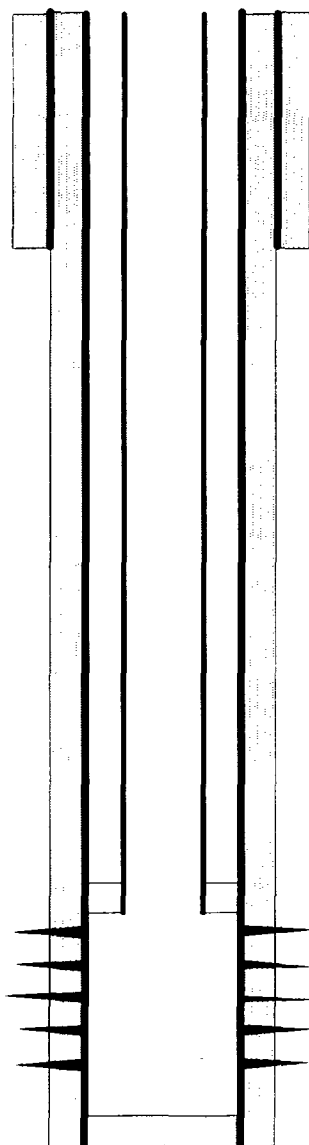
SEAT NIPPLE @ 3843"

5 1/2" CASING SET W/1350 SXS. TOC @ SURFACE
TD @ 4082'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #37			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 1980'FEL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3690'; KB=UNK			SPUD DATE: 11/12/88		COMP DATE: 12/23/88	
API#: 30-015-26000		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 627'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 4082'	5 1/2"	17#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3350'	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.

INJECTION INTERVAL: 3220' - 4082'

BAKER AD-1 PACKER @ 3350'

PERFORATIONS: 3410' - 4009' (OA)

5 1/2" CASING SET W/1350 SXS. TOC @ SURFACE
TD @ 4082'

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

III Well Data:

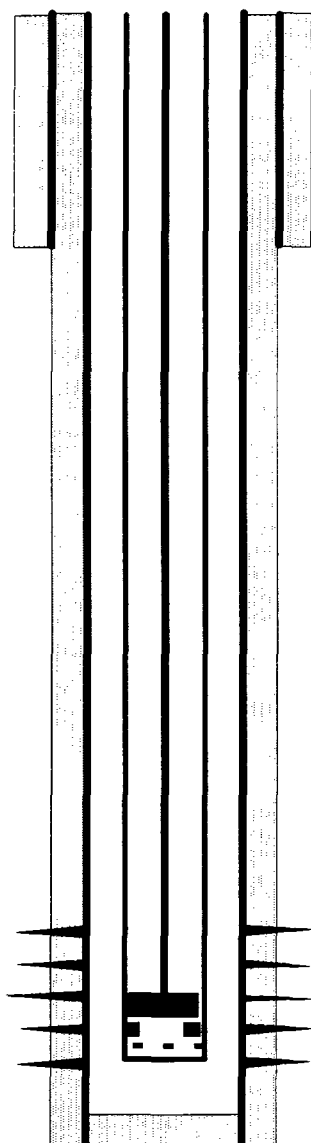
- A.
- (1) H.E. West "B" #48
2130'FSL & 1980'FEL
Section 10-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 447'. Set with 365 sxs. TOC @ surface
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 15.5# J-55 LT&C @ 4370'. Set with 1007 sxs. TOC @ surface
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3250'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3250'.
- B.
- (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) The injection interval will be through perforations 3272'- 4245'. The injection interval is 3170'- 4150'.
- (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 3170'- 4150' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

NOPE
TRIED UNDER 679
- REPOLED WELL
IN SESE

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #48				FIELD: GRAYBURG-JACKSON		
LOCATION: 2130'FSL & 1980'FEL, SEC 10-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3902'; KB=UNK				SPUD DATE: 07/08/94		COMP DATE: 10/05/94
API#: 30-015-26572		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 447'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4370'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 4270'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/365 SXS. TOC @ SURFACE.

PERFORATIONS: 3270' - 4245' (OA)

SEAT NIPPLE @ 4233"

PBTD @ 4325'

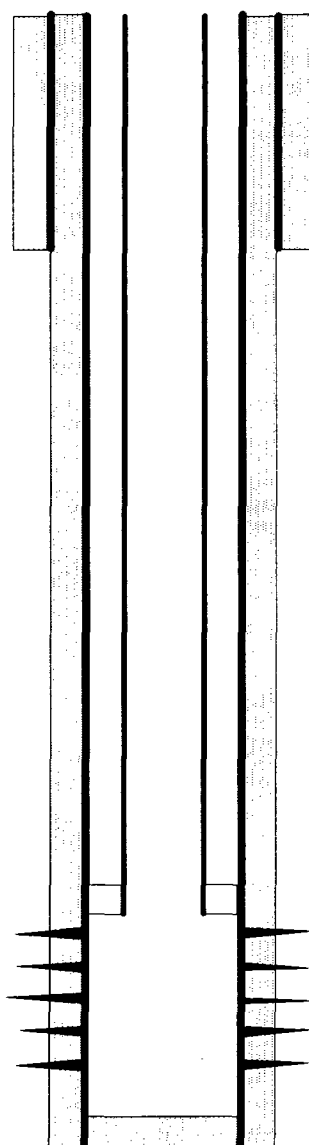
5 1/2" CASING SET W/1007 SXS. TOC @ SURFACE

TD @ 4370'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #48			FIELD: GRAYBURG-JACKSON			
LOCATION: 2130'FSL & 1980'FEL, SEC 10-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3902'; KB=UNK			SPUD DATE: 07/08/94		COMP DATE: 10/05/94	
API#: 30-015-26572		PREPARED BY: C.H. CARLETON			DATE: 06/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 447'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4370'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3250'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/365 SXS. TOC @ SURFACE.

INJECTION INTERVAL: 3170'- 4150'

BAKER AD-1 PACKER @ 3250'

PERFORATIONS: 3270'- 4245' (OA)

PBTD @ 4325'

5 1/2" CASING SET W/1007 SXS. TOC @ SURFACE

TD @ 4370'

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devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

KEEL "A" #4

Scale in Feet

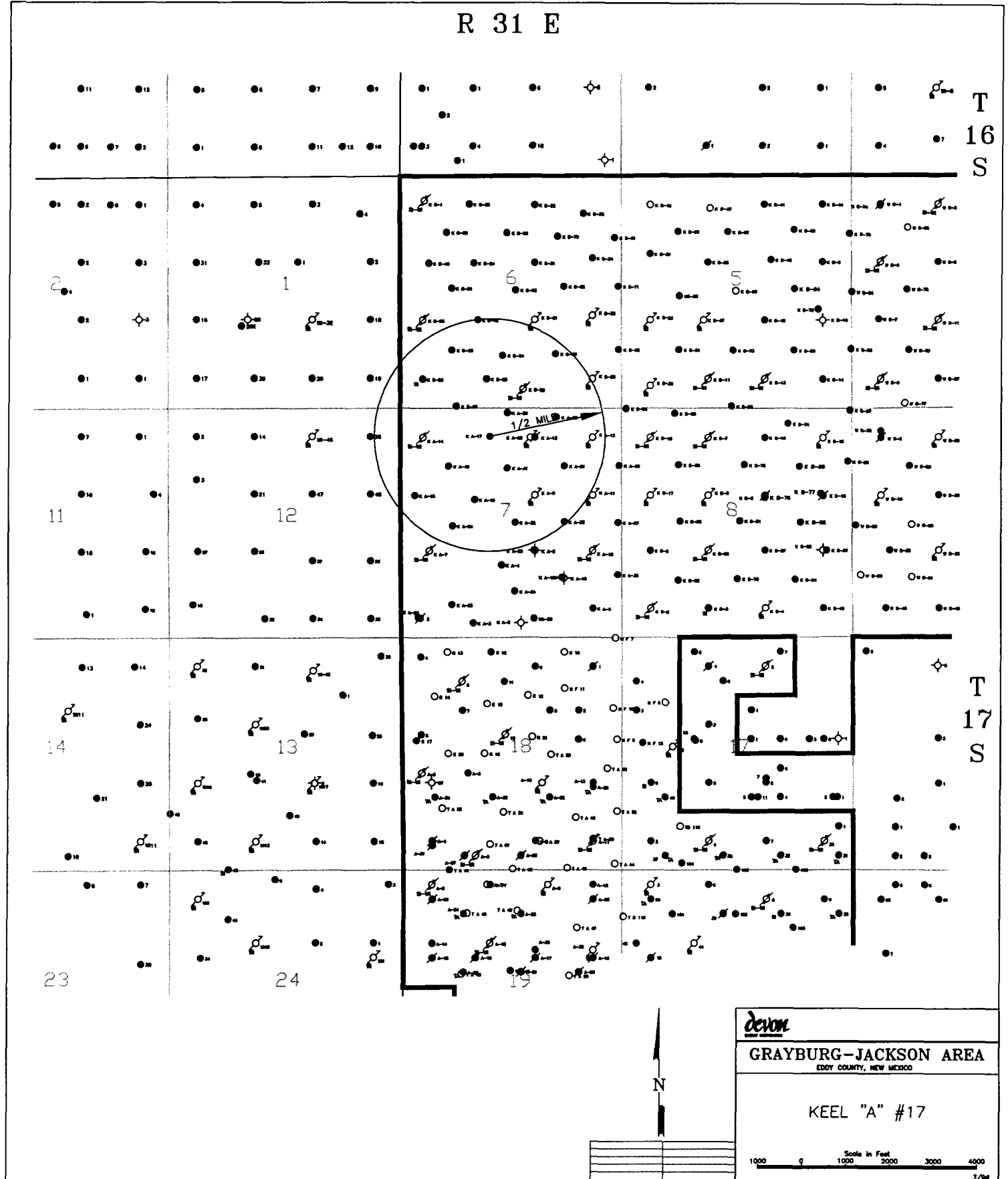
1000 0 1000 2000 3000 4000

3/94

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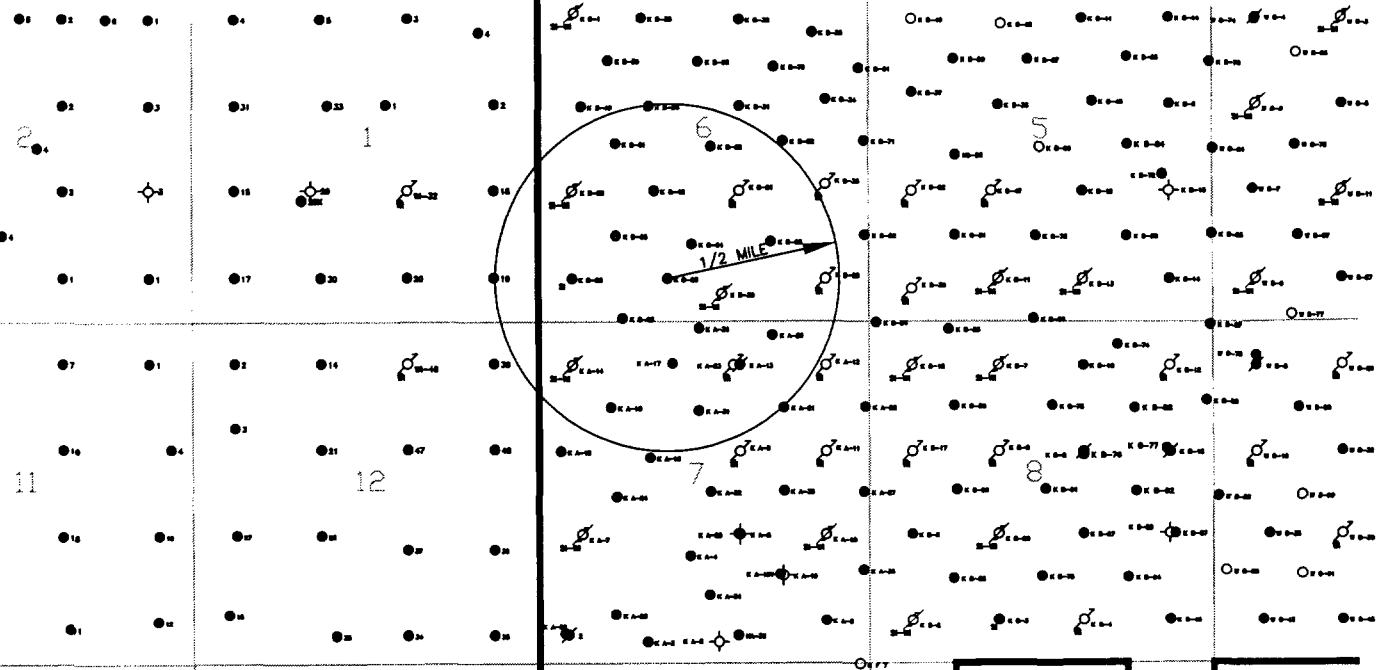
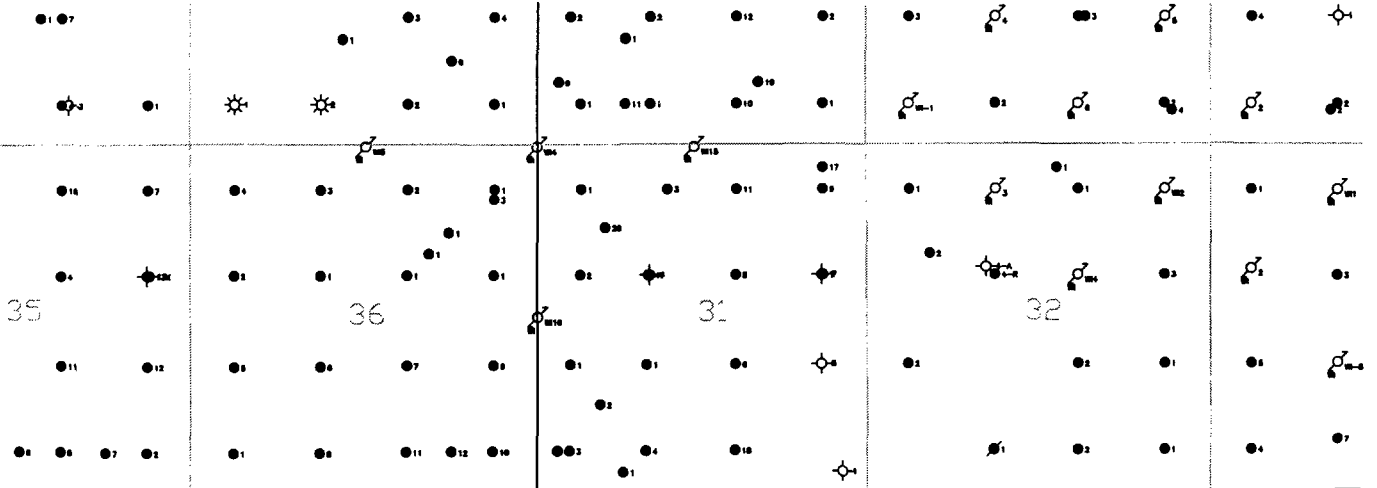
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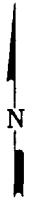
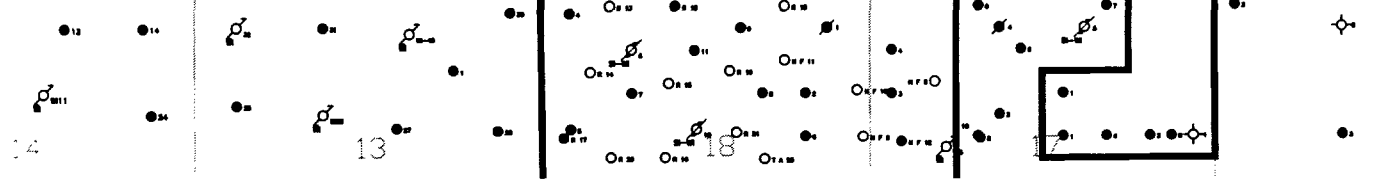


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devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

KEEL "B" #23

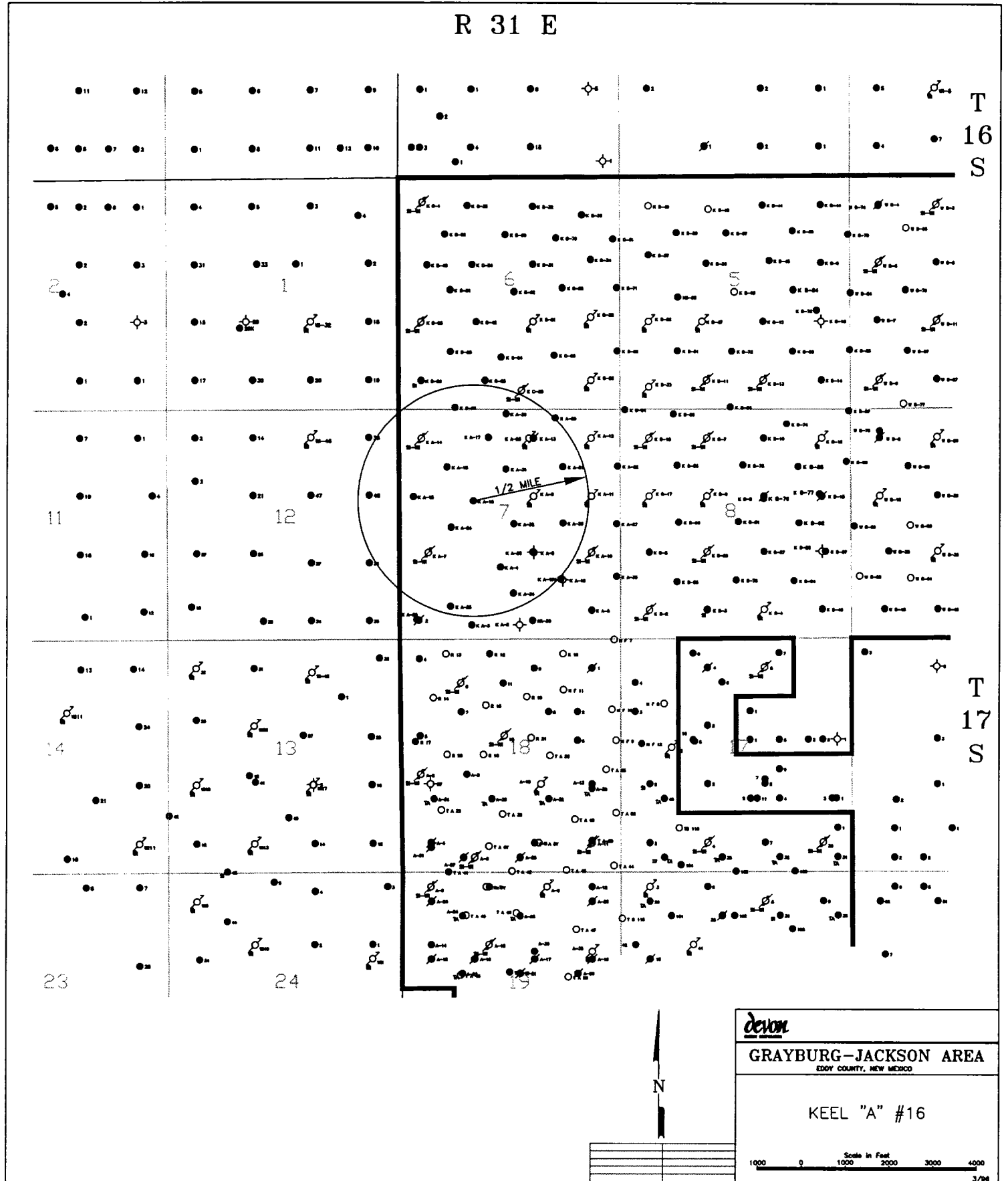
Scale in Feet
1000 0 1000 2000 3000 4000

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1/2 MILE



devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

KEEL "B" #24

Scale in Feet
1000 0 1000 2000 3000 4000

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devon

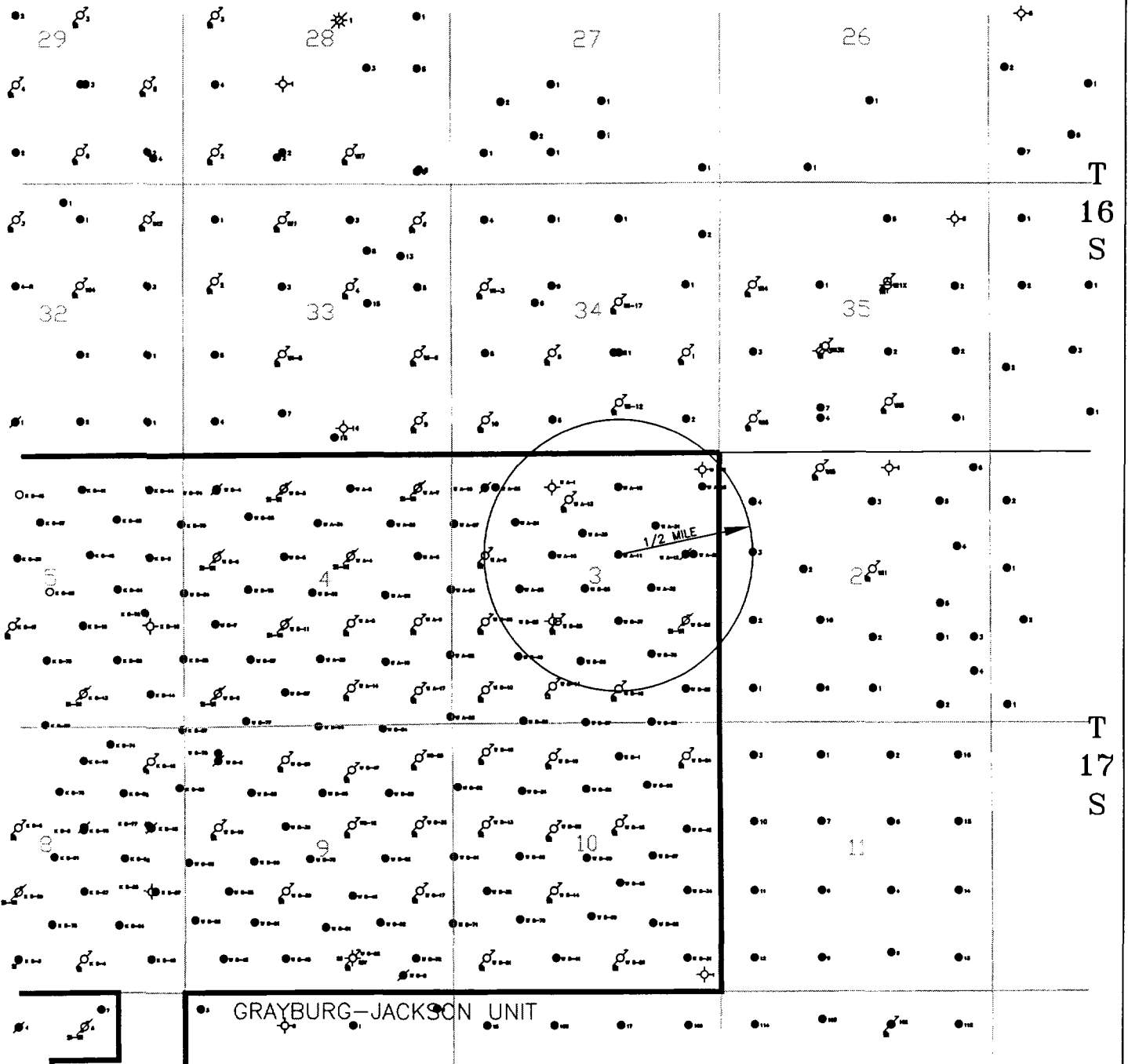
GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

KEEL "B" #42

Scale in Feet
1000 0 1000 2000 3000 4000

3/94

R 31 E



devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

WEST "A" #11

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

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GRAYBURG-JACKSON UNIT

devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

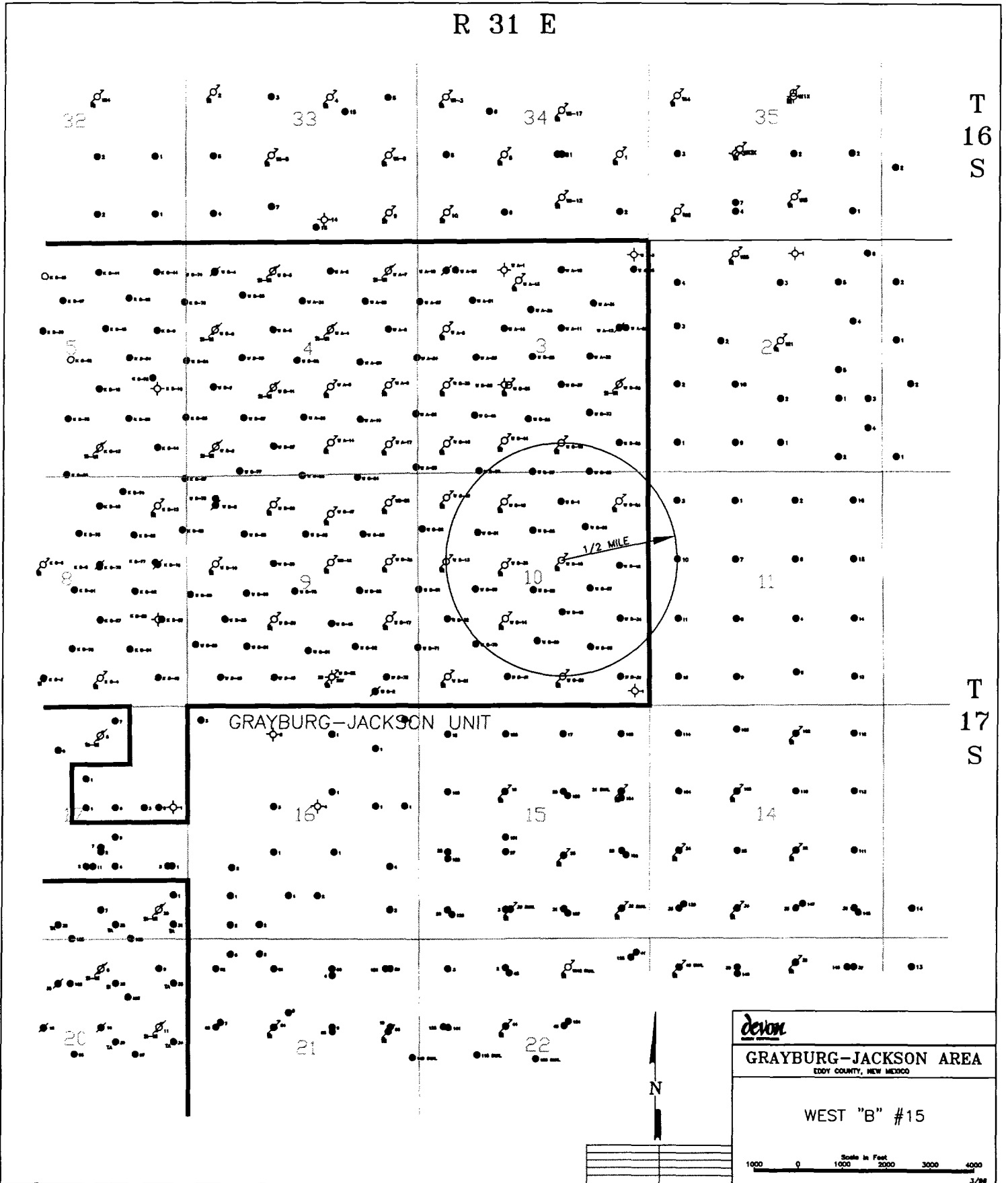
WEST "B" #1

Scale in Feet
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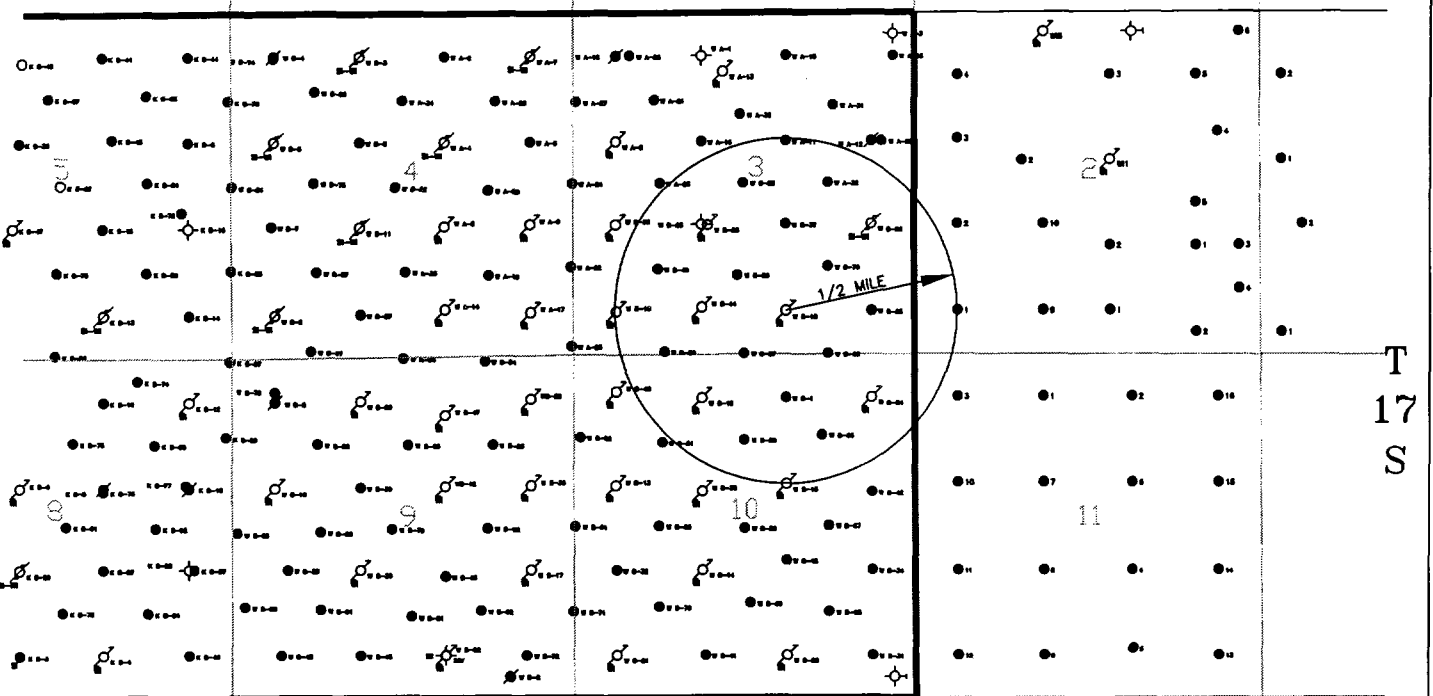
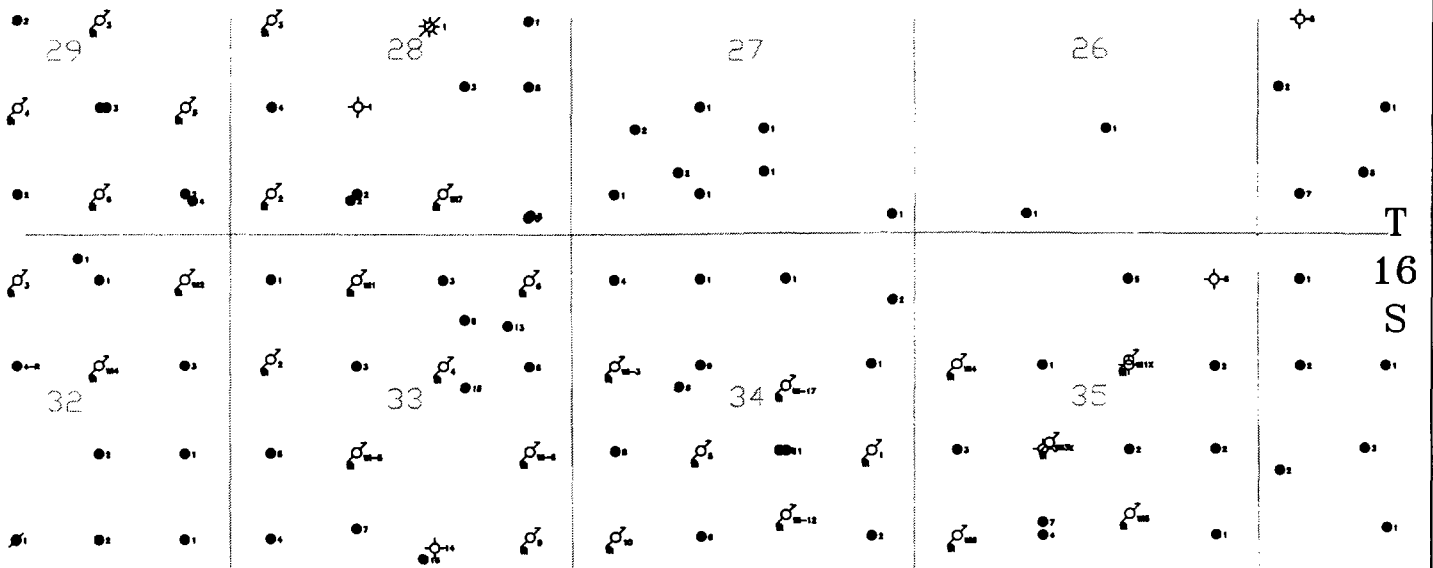
3/78

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R 31 E



GRAYBURG-JACKSON UNIT

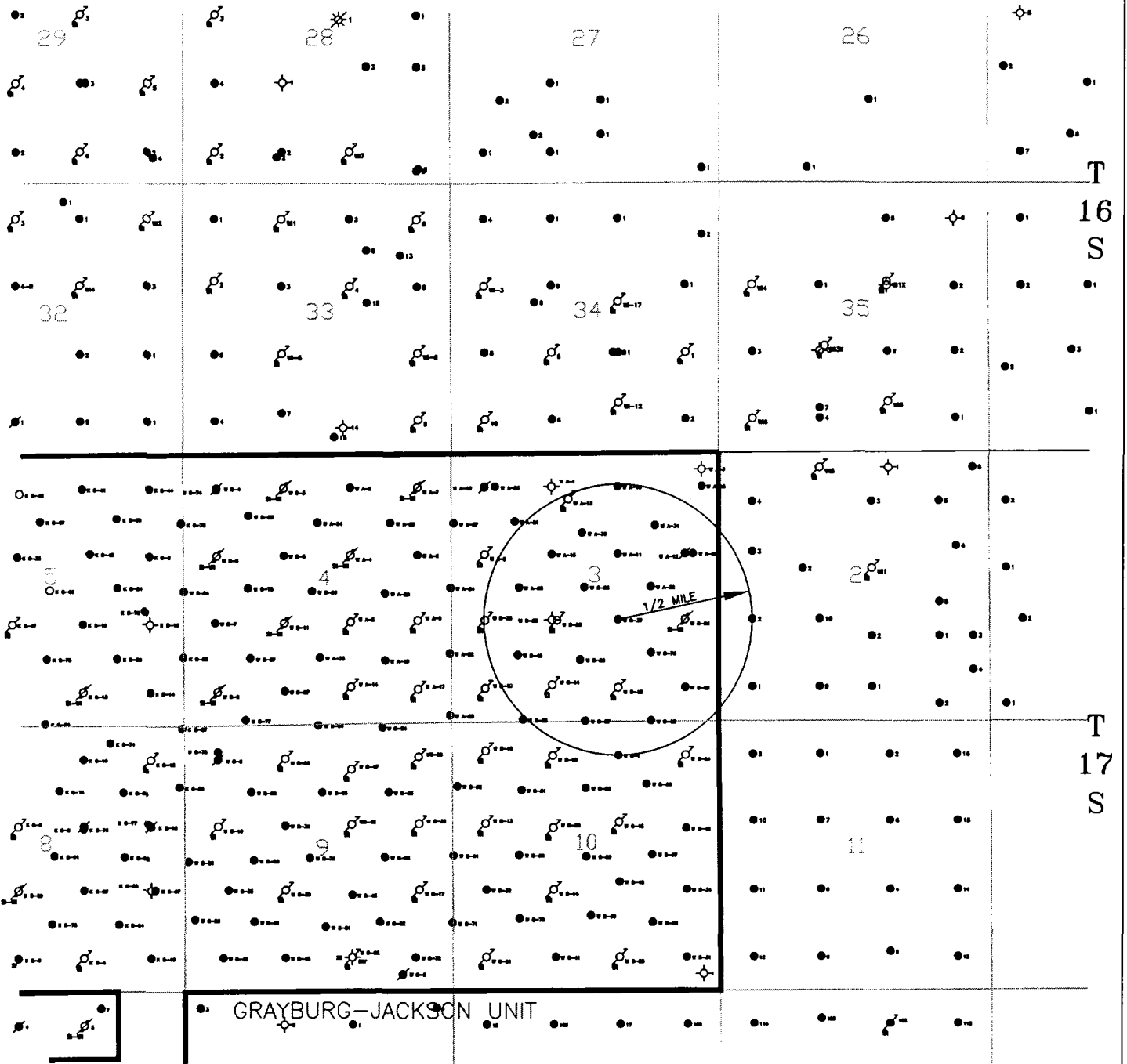
devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

WEST "B" #18

Scale in Feet
1000 0 1000 2000 3000 4000
3/88

R 31 E



devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

WEST "B" #37

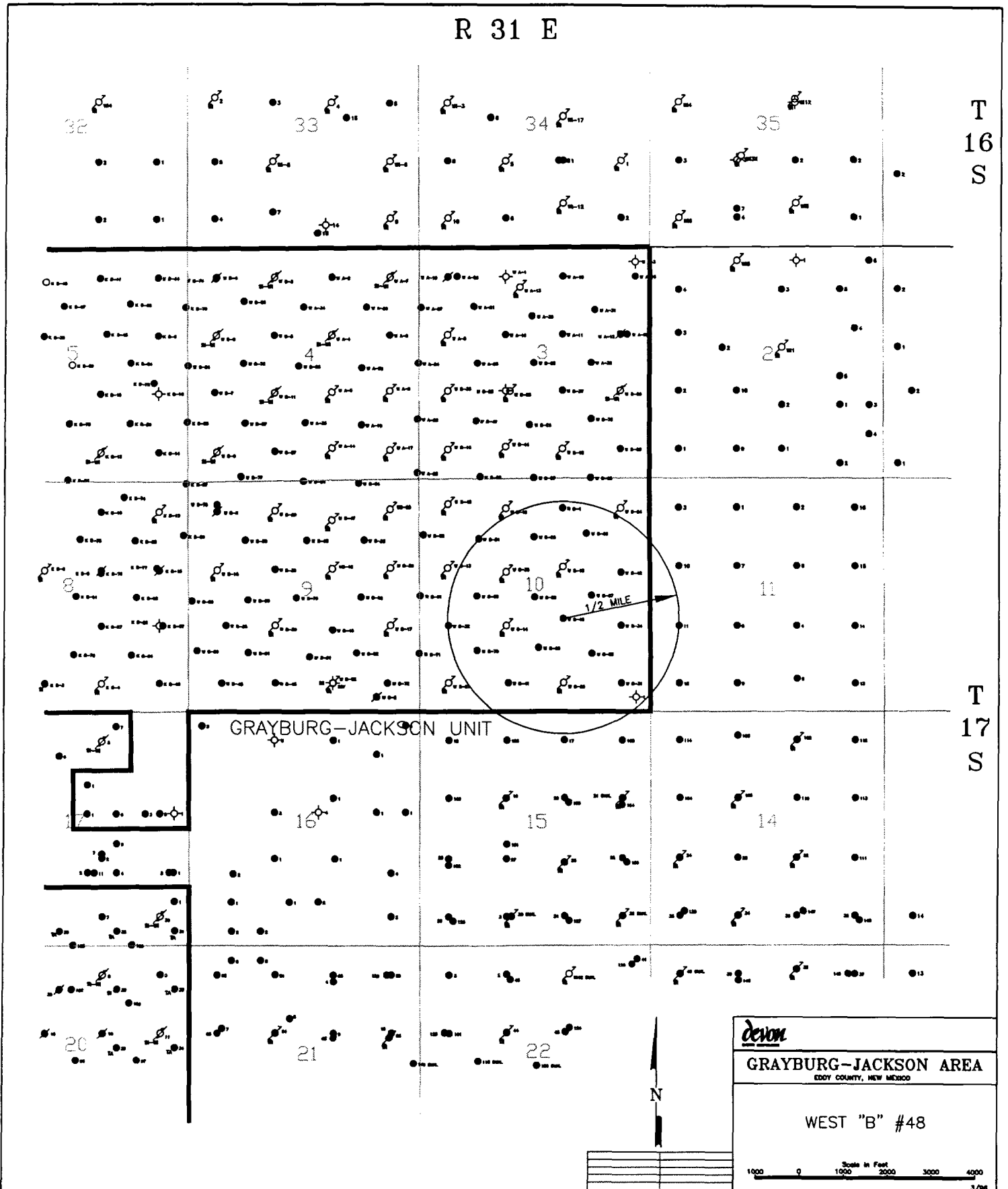
Scale in Feet
1000 0 1000 2000 3000 4000

3/98

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WELL LISTING "AREA OF REVIEW"
GRAYBURG-JACKSON WATERFLOOD
KEEL/WEST AREA - PHASE 5

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
J.L. Keel "A" #2	7-T17S-R31E	Devon Energy Corp.	P&A'd	
J.L. Keel "A" #3	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #4	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #5	7-T17S-R31E	Devon Energy Corp.	P&A'd	
J.L. Keel "A" #6	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #7	7-T17S-R31E	Devon Energy Corp.	Shutin WIW	
J.L. Keel "A" #8	7-T17S-R31E	Devon Energy Corp.	P&A'd	
J.L. Keel "A" #9	7-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "A" #10	7-T17S-R31E	Devon Energy Corp.	Shutin WIW	
J.L. Keel "A" #11	7-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "A" #12	7-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "A" #13	7-T17S-R31E	Devon Energy Corp.	P&A'd	
J.L. Keel "A" #14	7-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "A" #15	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #16	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #17	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #18	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #19	7-T17S-R31E	Devon Energy Corp.	D & A	
J.L. Keel "A" #19Y	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #20	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #21	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #23	7-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "A" #24	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #25	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #28	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #29	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #30	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #31	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #32	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #33	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #34	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #35	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "A" #36	7-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #1	8-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "B" #20	8-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "B" #21	8-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "B" #23	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #24	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #25	8-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "B" #26	8-T17S-R31E	Devon Energy Corp.	TA'd	
J.L. Keel "B" #30	8-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "B" #31	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #32	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #34	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #35	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #38	8-T17S-R31E	Devon Energy Corp.	Active WIW	
J.L. Keel "B" #40	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #42	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #53	8-T17S-R31E	Devon Energy Corp.	Active Oil	

WELL LISTING "AREA OF REVIEW"
GRAYBURG-JACKSON WATERFLOOD
KEEL/WEST AREA - PHASE 5

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
J.L. Keel "B" #59	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #60	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #62	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #65	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #79	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #81	8-T17S-R31E	Devon Energy Corp.	Active Oil	
J.L. Keel "B" #82	8-T17S-R31E	Devon Energy Corp.	Active Oil	
C.A. Russell #9	18-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #1	3-T17S-R31E	Devon Energy Corp.	D & A	
H.E. West "A" #3	3-T17S-R31E	Devon Energy Corp.	D & A	
H.E. West "A" #8	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "A" #11	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #12	3-T17S-R31E	Devon Energy Corp.	P&A'd	
H.E. West "A" #13	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "A" #15	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #16	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #18	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #21	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #25	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #28	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "A" #32	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #1	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #13	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #14	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #15	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #16	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #18	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #19	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #20	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #23	3-T17S-R31E	Devon Energy Corp.	P&A'd	
H.E. West "B" #24	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #25	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #26	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #31	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #32	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #33	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #34	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #37	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #38	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #40	10-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #41	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #42	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #44	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #48	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #49	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #50	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #51	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #55	3-T17S-R31E	Devon Energy Corp.	Active WIW	
H.E. West "B" #56	3-T17S-R31E	Devon Energy Corp.	Active Oil	

WELL LISTING "AREA OF REVIEW"
GRAYBURG-JACKSON WATERFLOOD
KEEL/WEST AREA - PHASE 5

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
H.E. West "B" #57	3-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #58	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #59	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #60	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #66	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #67	10-T17S-R31E	Devon Energy Corp.	Active Oil	
H.E. West "B" #85	3-T17S-R31E	Devon Energy Corp.	Active Oil	
		OUTSIDE OPERATED		
Artesia Petroleum Co #2	1-T17S-R30E	The Blanco Company	Active Oil	
Grybrg-Jcksn SA Ut #38	12-T17S-R30E	Burnett Oil Company	Active Oil	
Grybrg-Jcksn SA Ut #48	12-T17S-R30E	Burnett Oil Company	Active Oil	
H.J. Loe #1	31-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Jackson Federal "B" #18	1-T17S-R30E	Burnett Oil Company	Active Oil	
Jackson Federal #19	1-T17S-R30E	Burnett Oil Company	Shutin Oil	
Lea Federal "C" #3	11-T17S-R31E	Texaco Expl & Prod Inc	Shutin Oil	
Lea Federal "C" #10	11-T17S-R31E	Apache Corporation	Active Oil	
Lea Federal "C" #11	11-T17S-R31E	Texaco Expl & Prod Inc	Shutin Oil	
Tidewater State #1	2-T17S-R31E	Mack Energy Corp.	Active Oil	
Tidewater State #2	2-T17S-R31E	Mack Energy Corp.	Active Oil	
Tidewater State #3	2-T17S-R31E	Mack Energy Corp.	Active Oil	

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57

174

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/P8TD</u>	<u>COMPLETION RECORD</u>
J.L. KEEL "A" #2	440FSL & 440FWL SEC 7-T17S-R31E EDDY COUNTY, NM	6/5/29	8/27/29	OIL PRODUCER	3600'/3600'	12 1/2" @ 511' W/70 SXS. CEMENT TO SURFACE. 10" @ 1342' W/80 SXS. CEMENT TO SURFACE. 6 5/8" @ 3154', LANDED - NOT CEMENTED. OPEN HOLE COMPLETION: 3154'- 3600' IP=120 BOPD PLUGGED & ABANDONED
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 & 2310FWL SEC 7-T17S-R31E EDDY COUNTY, NM	3/4/39	5/16/39	OIL PRODUCER	3638'/3586'	8 5/8" @ 556' W/75 SXS 7" @ 3141' W/1100 SXS PERFORATE: 2891'- 3122'(OA) & OPEN HOLE: 3141'- 3586' IP=60 BOPD PERFORATE: 2891'- 3122'(OA) RETURN TO PRODUCTION
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
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' IP=30 BOPD
			7/15/51 2/28/66	WATER INJECTOR	3547'/3540'	DRILL OUT PLUGS AND CLEAN OUT WELLBORE TO TD 2 7/8" @ 3547' W/698 SXS. CEMENT TO SURFACE. PERFORATE: 3186'- 3626'(OA) RECOMPLETED AS A WATER INJECTION WELL PLUGGED & ABANDONED

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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: 2882 - 2892' CONVERT TO WATER INJECTION WELL
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 DEEPEEN OPEN HOLE TO 5100' & RUN LOGS. TAG WELL PLUGGED & 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 DEEPEEN OPEN HOLE TO 3611' 4 1/2" @ 3611' W/325 SXS. CEMENT TO SURFACE. PERFORATE: 2928 - 3550(OA) CONVERT TO WATER INJECTION WELL PERFORATE: 2830 - 3599(OA) RETURN TO INJECTION
J.L. KEEL "A" #10	1980FSL & 660FEL SEC 7-T17S-R31E EDDY COUNTY, NM	8/3/50	10/23/50	OIL PRODUCER	3496'/3362'	10 3/4" @ 537' W/350 SXS 7" @ 2809' W/200 SXS OPEN HOLE COMPLETION: 2809 - 3362' IP=41 BOPD DEEPEEN OPEN HOLE TO 3580' 4 1/2" @ 3580' W/325 SXS. TOC @ 1850' PERFORATE: 2908 - 3571(OA) CONVERT TO WATER INJECTION WELL
			11/12/64	WATER INJECTOR	3580'/3578'	

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J.L. KEEL "A" #11	1980FNL & 660FEL SEC 7-T17S-R31E EDDY COUNTY, NM	5/19/53	7/22/53	OIL PRODUCER	3482'/3482'	8 5/8" @ 535' W/100 SXS 7" @ 2826' W/200 SXS OPEN HOLE COMPLETION: 2826'- 3482' IP=30 BOPD
			6/25/65 7/10/95	WATER INJECTOR	3604'/3604' 3710'/3666'	DEEPEN OPEN HOLE TO 3604' DEEPEN OPEN HOLE TO 3710' 4 1/2" @ 3709' W/475 SXS. CEMENT TO SURFACE. PERFORATE: 2866'- 3598'(OA) CONVERT TO WATER INJECTION WELL
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
			12/14/64	WATER INJECTOR	3610'/3607'	DEEPEN OPEN HOLE TO 3610' 4 1/2" @ 3610' W/325 SXS. TOC @ 1960' PERFORATE: 2954'- 3588'(OA) CONVERT TO WATER INJECTION WELL CUT AND PACKOFF 4 1/2" CASING @ 320'. HAD SEVERE CORROSION. CLEAN OUT WELLBORE TO 3590' & 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
			8/12/77 8/19/81			TAD PLUGGED & ABANDONED

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J.L. KEEL "A" #14	660FNL & 519FWL SEC 7-T17S-R31E EDDY COUNTY, NM	8/28/57	11/5/57	OIL PRODUCER	3502'/2950'	10 3/4" @ 587 W/100 SXS 5 1/2" @ 3425 W/125 SXS PERFORATE: 3190'- 3200' SET CIBP @ 2950' PERFORATE: 2885'- 2900'(OA) IP=360 BOPD DRILLED OUT CIBP & CLEANED OUT WELLBORE TO TD PERFORATE: 3030'- 3118'(OA) CONVERT TO WATER INJECTION WELL
J.L. KEEL "A" #15	1980FNL & 330FWL SEC 7-T17S-R31E EDDY COUNTY, NM	1/26/67	2/25/67	OIL PRODUCER	3625'/3618'	9 5/8" @ 605' W/300 SXS. CEMENT TO SURFACE. 7" @ 3625' W/350 SXS. TOC @ 1930' PERFORATE: 2869'- 3566'(OA) IP=51 BOPD
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" #17	640FNL & 2050FWL SEC 7-T17S-R31E EDDY COUNTY, NM	7/10/88	7/27/88	OIL PRODUCER	3785'/3527'	8 5/8" @ 400' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3785' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 3136'- 3747'(OA) SET CIBP @ 3527' IP=54 BOPD
J.L. KEEL "A" #18	1310FNL & 1100FWL SEC 7-T17S-R31E EDDY COUNTY, NM	12/26/94	2/28/95	OIL PRODUCER	3975'/3924'	8 5/8" @ 433' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3974' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 2865'- 3670'(OA) IP=92 BOPD

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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' TAYD PLUGGED & ABANDONED
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" #20	200FNL & 1480FEL SEC 7-T17S-R31E EDDY COUNTY, NM	11/22/94	2/21/95	OIL PRODUCER	4006/3962'	8 5/8" @ 426' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4005' W/1475 SXS. CEMENT TO SURFACE. PERFORATE: 2887' - 3738'(OA) IP=110 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" #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/325 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

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J.L. KEEL "A" #26	754FSL & 1165FWL SEC 7-T17S-R31E EDDY COUNTY, NM	9/18/95	10/15/95	OIL PRODUCER	3965'/3919'	8 5/8" @ 426' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3964' W/1260 SXS. CEMENT TO SURFACE. PERFORATE: 2773'- 3537'(OA) IP=217 BOPD
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/1760 SXS. CEMENT TO SURFACE. PERFORATE: 2848'- 3550'(OA) IP=25 BOPD
J.L. KEEL "A" #29	459FSL & 389FWL SEC 7-T17S-R31E EDDY COUNTY, NM	8/8/95	9/4/95	OIL PRODUCER	3745'/3696'	13 3/8" @ 409' W/1470 SXS. TOC @ 102' 5 1/2" @ 3745' W/2210 SXS. TOC @ 1080'(CBL) PERFORATE: 2786'- 3565'(OA) IP=33 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: 2826'- 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

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J.L. KEEL "A" #34	1989FSL & 2001FEL SEC 7-T17S-R31E EDDY COUNTY, NM	9/9/95	11/1/95	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
J.L. KEEL "A" #36	100FNL & 2460FWL SEC 7-T17S-R31E EDDY COUNTY, NM	5/6/95	5/31/95	OIL PRODUCER	4025/3977'	8 5/8" @ 439' W/650 SXS. CEMENT TO SURFACE. 5 1/2" @ 4024' W/1850 SXS. CEMENT TO SURFACE. PERFORATE: 2871'- 3668'(OA) IP=72 BOPD
J.L. KEEL "B" #1	554FNL & 554FWL SEC 6-T17S-R31E EDDY COUNTY, NM	4/5/43	9/16/43	OIL PRODUCER	3549/3135'	10 3/4" @ 595' W/75 SXS 7" @ 2947' W/100 SXS OPEN HOLE COMPLETION: 2947'- 3135' IP=136 BOPD
			7/18/66	WATER INJECTOR	3549/3369'	CLEAN OUT OPEN HOLE TO 3533' SPOT CEMENT PLUG 3369'- 3530' W/30 SXS CONVERT TO WATER INJECTION WELL
J.L. KEEL "B" #20	660FSL & 660FEL SEC 6-T17S-R31E EDDY COUNTY, NM	2/24/55	4/7/55	OIL PRODUCER	2985/2985'	8 5/8" @ 557' W/100 SXS 7" @ 2841' W/200 SXS OPEN HOLE COMPLETION: 2841'- 2985' IP=140 BOPD
			9/13/72		3596/3230'	DEEPEN OPEN HOLE TO 3596' RUN 4 1/2" LINER @ 2614'- 3596' W/130 SXS PERFORATE: 3411'- 3562'(OA) SET CEMENT RETAINER @ 3235', PUMP 75 SXS BELOW & CAP W/5' CEMENT. PERFORATE: 2974'- 3194'(OA) - RETURN TO PRODUCTION SQUEEZE PERFORATIONS 3080'- 3110' W/274 SXS CLEAN OUT WELLBORE TO 3233' PERFORATE: 2838'- 3133'(OA) CONVERT TO WATER INJECTION WELL
			11/19/73 6/11/95	WATER INJECTOR	3596/3233'	

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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 RUN 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
J.L. KEEL "B" #23	660FSL & 1700FWL SEC 6-T17S-R31E EDDY COUNTY, NM	9/2/56	12/1/56	OIL PRODUCER	3465'/3465'	10 3/4" @ 590' W/100 SXS 7" @ 2805' W/200 SXS OPEN HOLE COMPLETION: 2805' - 3465' IP=50 BOPD
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' SET CIBP @ 3175' PERFORATE: 2953' - 3163'(OA) IP=43 BOPD DRILL OUT CIBP & CLEAN OUT OPEN HOLE TO 3490' PERFORATE: 3010' - 3102'(OA) - RETURN TO PRODUCTION
J.L. KEEL "B" #25	1980FSL & 517FWL SEC 6-T17S-R31E EDDY COUNTY, NM	4/7/57	6/1/57	OIL PRODUCER	3192'/3192'	10 3/4" @ 567' W/100 SXS 7" @ 3060' W/100 SXS. TOC @ 2285' OPEN HOLE COMPLETION: 3060' - 3192' IP=240 BOPD PERFORATE: 2886' - 3036'(OA) CONVERT TO WATER INJECTION WELL
			2/28/66	WATER INJECTOR		

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J.L. KEEL "B" #26	660FSL & 517FWL SEC 6-T17S-R31E EDDY COUNTY, NM	6/19/57	8/22/57	OIL PRODUCER	3500'/3415'	10 3/4" @ 566' W/100 SXS 7" @ 3420' W/100 SXS. TOC @ 2100' PERFORATE: 3026' - 3226'(OA) IP=240 BOPD PERFORATE: 2888' - 2896' - RETURN TO PRODUCTION PERFORATE: 2924' - 2936' - RETURN TO PRODUCTION SET CEMENT RETAINER @ 2784', PUMP 200 SXS BELOW RETAINER TEMPORARILY ABANDONED
J.L. KEEL "B" #30	430FSL & 2250FEL SEC 6-T17S-R31E EDDY COUNTY, NM	2/4/75	2/28/75	OIL PRODUCER	3250'/3206'	8 5/8" @ 506' W/375 SXS. CEMENT TO SURFACE. 5 1/2" @ 3249' W/760 SXS. CEMENT TO SURFACE. PERFORATE: 2889' - 3170'(OA) IP=3 BOPD SET CEMENT RETAINER @ 2800', PUMP 150 SXS BELOW & CAP W/50' CMT. PERFORATE: 1959' - 2013(OA) - RETURN TO PRODUCTION PERFORATE: 1822' - 2045(OA) - RETURN TO PRODUCTION SQUEEZE OFF PERFORATIONS 1822' - 2045' W/200 SXS DEEPEN WELLBORE TO 3684' PERFORATE: 2813' - 3244'(OA) CONVERT TO 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	660FNL & 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
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

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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" #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
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) SQUEEZED OFF PREFORATIONS 2826'- 2951'(OA) W/600 SXS IP=40 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) SQUEEZED OFF PERFORATIONS 2915'- 2948'(OA) W/265 SXS PERFORATE: 2965'- 3509'(OA) IP=108 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" #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'- 3898'(OA) SET CIBP @ 3750' & 3530' IP=31 BOPD

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J.L. KEEL "B" #80	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" #82	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" #65	50FSL & 1290FWL SEC 6-T17S-R31E EDDY COUNTY, NM	1/25/95	4/16/95	OIL PRODUCER	3950'/3904'	8 5/8" @ 432' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3949' W/1525 SXS. CEMENT TO SURFACE. PERFORATE: 2793' - 3615'(OA) IP=65 BOPD
J.L. KEEL "B" #79	1380FNL & 1453FEL 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" #81	2650FNL & 1190FWL 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	2519FNL & 1310FEL 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

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C.A. RUSSELL #9	660FNL & 1980FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/4/40	7/11/40	OIL PRODUCER	3495/3495'	8 5/8" @ 598' W/50 SXS 7" @ 2850' W/100 SXS OPEN HOLE COMPLETION: 2850' - 3495' IP=51 BOPD
			5/12/69		3495/3483'	4 1/2" @ 3484' W/250 SXS. TOC @ 1620' (TEMP SURVEY)
			10/28/70			PERFORATE: 3410' - 3465(OA) - RETURN TO PRODUCTION
H.E. WEST "A" #1	660FNL & 1980FWL SEC 3-T17S-R31E EDDY COUNTY, NM	7/17/46	9/17/46	D & A	3690/0'	PERFORATE: 2941' - 3110(OA) - RETURN TO PRODUCTION
						10 3/4" @ 806' W/100 SXS
						8 5/8" @ 2887' - LANDED, NOT CEMENTED
						7" @ 3570' W/50 SXS
						DRY & ABANDONED
H.E. WEST "A" #3	330FNL & 330FEL SEC 3-T17S-R31E EDDY COUNTY, NM	3/19/39	7/5/39	D & A	4483/0'	8 5/8" @ 887' W/50 SXS
						7" @ 3670' W/200 SXS
						DRY & ABANDONED
H.E. WEST "A" #8	1980FNL & 660FWL SEC 3-T17S-R31E EDDY COUNTY, NM	8/6/55	9/18/55	OIL PRODUCER	3404/3404'	8 5/8" @ 769' W/100 SXS
						5 1/2" @ 3246' W/200 SXS
						OPEN HOLE COMPLETION: 3246' - 3404'
						IP=384 BOPD
						CONVERTED TO WATER INJECTION WELL
						PLUGGED & ABANDONED
			9/1/62	WATER INJECTOR		RE-ENTERED & DEEPENED WELLBORE TO 3901'
			4/1/82	P&A'd		SET 4" LINER @ 2989' - 3901' W/75 SXS
			10/1/89	WATER INJECTOR	3901'/3901'	PERFORATE: 3360' - 3795(OA)
						RECOMPLETED AS WATER INJECTION WELL

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H.E. WEST "A" #11	1980FNL & 1980FEL SEC 3-T17S-R31E EDDY COUNTY, NM	9/29/59	11/27/59	OIL PRODUCER	3500'/3486'	8 5/8" @ 817' W/100 SXS 5 1/2" @ 3500' W/100 SXS. TOC @ 2675'(CBL) PERFORATE: 3445'- 3452'(OA) IP=91 BOPD PERFORATE 2650' & SQUEEZE W/1600 SXS FILL REMAINDER OF 5 1/2"-8 5/8" ANNULUS WITH CEMENT TO SURFACE SQUEEZE PERFORATIONS 3445'- 3452' W/300 SXS DEEPEN WELLBORE TO 3650' - RETURN WELL TO PRODUCTION DEEPEN OPEN HOLE TO 3986' RUN 4" LINER @ 3246'- 3986' W/75 SXS PERFORATE: 3439'- 3973'(OA) - RETURN TO PRODUCTION
H.E. WEST "A" #12	1980FNL & 660FEL SEC 3-T17S-R31E EDDY COUNTY, NM	3/18/61	5/21/61	OIL PRODUCER	3760'/3760'	8 5/8" @ 840' W/100 SXS 4 1/2" @ 3760' W/200 SXS. TOC @ 2550'(TEMP SURVEY) PERFORATE: 3544'- 3715'(OA) IP=16 BOPD PLUGGED & ABANDONED
H.E. WEST "A" #13	990FNL & 2310FWL SEC 3-T17S-R31E EDDY COUNTY, NM	10/11/64	10/31/64	WATER INJECTOR	3700'/3695'	8 5/8" @ 555' W/220 SXS. CEMENT TO SURFACE. 4 1/2" @ 3700' W/320 SXS PERFORATE: 3419'- 3686'(OA) COMPLETED AS WATER INJECTION WELL SQUEEZE OFF PERFORATIONS 3419'- 3428' W/850 SXS DEEPEN WELLBORE TO 3950' PERFORATE: 3369'- 3689'(OA) - RETURN TO INJECTION
H.E. WEST "A" #16	660FNL & 330FEL SEC 3-T17S-R31E EDDY COUNTY, NM	11/22/88	1/6/89	OIL PRODUCER	4090'/4037'	8 5/8" @ 685' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4090' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3479'- 4046'(OA) IP=115 BOPD
H.E. WEST "A" #16	1980FNL & 1980FWL SEC 3-T17S-R31E EDDY COUNTY, NM	12/4/88	1/12/89	OIL PRODUCER	4076'/4023'	8 5/8" @ 644' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4076' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3415'- 3953'(OA) IP=189 BOPD

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H.E. WEST "A" #18	660FNL & 1980FEL SEC 3-T17S-R31E EDDY COUNTY, NM	7/29/94	11/5/94	OIL PRODUCER	4362/4340'	8 5/8" @ 547' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4362' W/1230 SXS. CEMENT TO SURFACE. PERFORATE: 3457'- 4267'(OA) IP=97 BOPD
H.E. WEST "A" #21	1335FNL & 1285FWL SEC 3-T17S-R31E EDDY COUNTY, NM	8/6/94	11/15/94	OIL PRODUCER	4420'/4035'	8 5/8" @ 667' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4380' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 3600'- 4275'(OA) SET CIBP @ 4070' & CAP WITH 35' CEMENT IP=69 BOPD
H.E. WEST "A" #25	2625FNL & 1335FWL SEC 3-T17S-R31E EDDY COUNTY, NM	10/1/94	11/12/94	OIL PRODUCER	4380'/4333'	8 5/8" @ 625' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4379' W/1125 SXS. CEMENT TO SURFACE. PERFORATE: 3316'- 4042'(OA) IP=67 BOPD
H.E. WEST "A" #28	1980FNL & 505FEL SEC 3-T17S-R31E EDDY COUNTY, NM	3/2/95	5/1/95	OIL PRODUCER	4300'/4253'	8 5/8" @ 643' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4299' W/875 SXS. CEMENT TO SURFACE. PERFORATE: 3439'- 4192'(OA) IP=20 BOPD
H.E. WEST "A" #32	2622FNL & 1330FEL SEC 3-T17S-R31E EDDY COUNTY, NM	2/23/95	5/10/95	OIL PRODUCER	4425'/4376'	8 5/8" @ 632' W/330 SXS. CEMENT TO SURFACE. 5 1/2" @ 4424' W/975 SXS. CEMENT TO SURFACE. PERFORATE: 3348'- 4202'(OA) IP=40 BOPD
H.E. WEST "B" #1	660FNL & 1980FEL SEC 10-T17S-R31E EDDY COUNTY, NM	8/26/78	10/25/78	OIL PRODUCER	5515'/3680'	8 5/8" @ 810' W/400 SXS 4 1/2" @ 5515' W/850 SXS PERFORATE: 3402'- 5426'(OA) SET CIBP @ 4300' & 3680' IP=81 BOPD PLUGGED & ABANDONED RE-ENTER WELLBORE & DRILL OUT PLUGS TO 3950' RUN 4 1/2" CASING & TIE INTO STUB AT 1464' PERFORATE: 3380'- 3935'(OA) - RETURN TO PRODUCTION AT 16 BOPD

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H.E. WEST "B" #13	1980FNL & 660FWL SEC 10-T17S-R31E EDDY COUNTY, NM	8/16/57	10/9/57	OIL PRODUCER	3630'/3513'	10 3/4" @ 739' W/100 SXS 7" @ 3525' W/100 SXS PERFORATE: 3318'- 3374'(OA)
			8/29/89	WATER INJECTOR	3900'/3900'	IP=436 BOPD DEEPEN WELLBORE TO 3900' RUN 5" LINER @ 3094'- 3897' W/150 SXS PERFORATE: 3312'-3864'(OA)
			5/30/95		4050'/4050'	CONVERT TO WATER INJECTION WELL DEEPEN WELLBORE TO 4050' - RETURN TO INJECTION
H.E. WEST "B" #14	1980FSL & 1980FWL SEC 10-T17S-R31E EDDY COUNTY, NM	11/9/57	1/12/58	OIL PRODUCER	3632'/3632'	8 5/8" @ 762' W/100 SXS 7" @ 3563' W/100 SXS PERFORATE: 3380'- 3396'(OA)
			6/1/65	WATER INJECTOR		IP=176 BOPD PERFORATE: 3343'- 3537'(OA) CONVERT TO WATER INJECTION WELL
			9/28/89		3950'/3950'	DEEPEN OPEN HOLE TO 3950' RUN 5" LINER @ 3255'- 3950' W/170 SXS PERFORATE: 3317'- 3900'(OA) - RETURN TO INJECTION
H.E. WEST "B" #15	1980FNL & 1980FEL SEC 10-T17S-R31E EDDY COUNTY, NM	5/8/58	4/23/96			PERFORATE: 3266'- 3928'(OA) - RETURN TO INJECTION
			7/8/58	OIL PRODUCER	3728'/3726'	10 3/4" @ 780' W/200 SXS 5 1/2" @ 3728' W/100 SXS. TOC @ 3290'(CBL) PERFORATE: 3372'- 3540'(OA)
			8/26/89	WATER INJECTOR	3952'/3952'	IP=71 BOPD DEEPEN WELLBORE TO 3952' PERFORATE 3240' & SQUEEZE W/150 SXS RUN 4" LINER @ 3119'- 3952' W/50 SXS PERFORATE: 3368'- 3916'(OA) CONVERT TO WATER INJECTION WELL

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H.E. WEST "B" #16	660FSL & 660FWL SEC 3-T17S-R31E EDDY COUNTY, NM	5/8/58	9/4/58	OIL PRODUCER	3673/3671'	10 3/4" @ 765' W/100 SXS 5 1/2" @ 3673' W/100 SXS. TOC @ 2653'(TEMP SURVEY) PERFORATE: 3370 - 3578'(OA) IP=120 BOPD PERFORATE: 3333'- 3530'(OA) - RETURN TO PRODUCTION PERFORATE: 3333'- 3578'(OA) - RETURN TO PRODUCTION DEEPEN WELBORE TO 3978'
			11/14/65 10/19/66 7/19/89	WATER INJECTOR	3978/3977'	RUN 4" LINER @ 3264'- 3978' W/75 SXS PERFORATE: 3333'- 3961'(OA) - RETURN TO PRODUCTION PERFORATE: 3260 - 3961'(OA) CONVERT TO WATER INJECTION WELL
			1/23/95			
			12/16/58			
H.E. WEST "B" #18	660FSL & 1980FEL SEC 3-T17S-R31E EDDY COUNTY, NM	10/24/58	5/7/68 7/18/89	WATER INJECTOR	3996/3996'	10 3/4" @ 797' W/100 SXS 5 1/2" @ 3725' W/100 SXS. TOC @ 2654'(TEMP SURVEY) PERFORATE: 3393 - 3464'(OA) IP=56 BOPD PERFORATE: 3523'- 3560'(OA) - RETURN TO PRODUCTION DEEPEN WELBORE TO 3996' PERFORATE: 3386 - 3705'(OA) CONVERT TO WATER INJECTION WELL
			2/8/59	OIL PRODUCER	3501/3496'	10 3/4" @ 785' W/100 SXS 5 1/2" @ 3501' W/100 SXS PERFORATE: 3422 - 3430'(OA) IP=192 BOPD DEEPEN WELBORE TO 3585' PERFORATE: 3378 - 3441'(OA) CONVERT TO WATER INJECTION WELL
			3/13/64	WATER INJECTOR	3585/3585'	DEEPEN WELBORE TO 3955'
H.E. WEST "B" #19	660FNL & 1980FWL SEC 10-T17S-R31E EDDY COUNTY, NM	12/21/58	8/16/89		3955/3953'	RUN 4" LINER @ 3323 - 3953' W/65 SXS PERFORATE: 3373 - 3941' (OA) - RETURN TO INJECTION

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H.E. WEST "B" #20	660FSL & 1980FEL SEC 10-T17S-R31E EDDY COUNTY, NM	2/9/59	4/3/59	OIL PRODUCER	3636/3633'	10 3/4" @ 797' W/100 SXS 5 1/2" @ 3635' W/100 SXS. TOC @ 3038'(TEMP SURVEY). PERFORATE: 3396'- 3611'(OA) IP=156 BOPD
			8/31/89	WATER INJECTOR	3971'/3971'	DEEPEN WELLBORE TO 3971' RUN 4" LINER 3175'- 3966' W/55 SXS PERFORATE: 3353'- 3937'(OA) CONVERT TO WATER INJECTION WELL
H.E. WEST "B" #23	1980FSL & 1980FWL SEC 3-T17S-R31E EDDY COUNTY, NM	7/26/59	9/10/59	OIL PRODUCER	3456/3456'	8 5/8" @ 797' W/100 SXS 5" @ 3456' W/100 SXS. TOC @ 2670'(CBL) PERFORATE: 3413'- 3435'(OA) IP=168 BOPD
			3/29/64	WATER INJECTOR	3557'/3557'	DEEPEN WELLBORE TO 3557' PERFORATE: 3374'- 3384' CONVERT TO WATER INJECTION WELL
			4/20/81		3557'/2978'	SET CIBP @ 3451' & CAP W/1 SX CEMENT SET CIBP @ 2978' - TEMPORARILY ABANDONED PLUGGED & ABANDONED
			4/27/82			
H.E. WEST "B" #24	660FNL & 660FEL SEC 10-T17S-R31E EDDY COUNTY, NM	11/28/59	1/29/60	OIL PRODUCER	3604'/3597'	8 5/8" @ 815' W/100 SXS 5 1/2" @ 3604' W/100 SXS PERFORATE: 3396'- 3560'(OA) IP=38 BOPD
			3/11/66	WATER INJECTOR		PERFORATE: 3430'- 3468'(OA) CONVERT TO WATER INJECTION WELL
			9/9/89		3916'/3907'	DEEPEN WELLBORE TO 3916' RAN 4" LINER @ 3277'- 3907' W/100 SXS PERFORATE: 3375'- 3807'(OA) - RETURN TO INJECTION
H.E. WEST "B" #25	660FSL & 660FEL SEC 3-T17S-R31E EDDY COUNTY, NM	11/18/60	1/9/61	OIL PRODUCER	3675'/3669'	8 5/8" @ 858' W/100 SXS 4 1/2" @ 3675' W/125 SXS. TOC @ 3232'(TEMP SURVEY) PERFORATE: 3541'- 3547' IP=178 BOPD

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H.E. WEST "B" #26	1980FSL & 660FEL SEC 3-T17S-R31E EDDY COUNTY, NM	1/12/61	3/17/61	OIL PRODUCER	3757/3757'	8 5/8" @ 845' W/100 SXS 4 1/2" @ 3757' W/100 SXS. TOC @ 2810'(TEMP SURVEY) PERFORATE: 3714'- 3734' IP=6 BOPD
			3/21/66	WATER INJECTOR	3757/3690'	SET CIBP @ 3690' PERFORATE: 3422'- 3579'(OA)
			2/25/89		3941'/3941'	CONVERT TO WATER INJECTION WELL DEEPEN WELLMORE TO 3941' PERFORATE: 3401'- 3744'(OA) - RETURN TO INJECTION
H.E. WEST "B" #31	660FSL & 660FEL SEC 10-T17S-R31E EDDY COUNTY, NM	6/16/88	7/10/88	OIL PRODUCER	4218/3954'	8 5/8" @ 630' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4218' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3301'- 4138'(OA) IP=279 BOPD
H.E. WEST "B" #32	1980FSL & 660FWL SEC 10-T17S-R31E EDDY COUNTY, NM	8/13/88	9/27/88	OIL PRODUCER	3954/3905'	8 5/8" @ 582' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 3954' W/1600 SXS. CEMENT TO SURFACE. PERFORATE: 3314'- 3754'(OA) IP=239 BOPD
			6/27/89			PERFORATE: 2186'- 2379'(OA) - RETURN TO PRODUCTION
			4/30/96	WATER INJECTOR		SQUEEZE PERFORATIONS 2186'- 2379'(OA) W/100 SXS PERFORATE: 3238'- 3897'(OA) CONVERT TO WATER INJECTION WELL
H.E. WEST "B" #33	1980FSL & 660FWL SEC 3-T17S-R31E EDDY COUNTY, NM	8/2/88	8/20/88	OIL PRODUCER	4057/4011'	8 5/8" @ 625' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 4057' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3457'- 3994'(OA) IP=326 BOPD
H.E. WEST "B" #34	1980FSL & 660FEL SEC 10-T17S-R31E EDDY COUNTY, NM	9/26/88	1/27/95	WATER INJECTOR		CONVERT TO WATER INJECTION WELL
			10/27/88	OIL PRODUCER	3885/3837'	8 5/8" @ 629' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 3885' W/1650 SXS. CEMENT TO SURFACE. PERFORATE: 3341'- 3802'(OA) IP=42 BOPD

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H.E. WEST "B" #37	1980FSL & 1980FEL SEC 3-T17S-R31E EDDY COUNTY, NM	11/12/88	12/23/88	OIL PRODUCER	4082'/4038'	8 5/8" @ 627' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4082' W/1350 SXS. CEMENT TO SURFACE. PERFORATE: 3410'- 4009'(OA) IP=56 BOPD
H.E. WEST "B" #38	2085FNL & 1980FWL SEC 10-T17S-R31E EDDY COUNTY, NM	10/25/88	12/16/88	OIL PRODUCER	3960'/3937'	8 5/8" @ 596' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3960' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3364'- 3910'(OA) IP=51 BOPD DEEPEN WELLBORE TO 4055' PERFORATE: 3294'- 3941'(OA) CONVERT TO WATER INJECTION WELL
H.E. WEST "B" #40	560FNL & 660FWL SEC 10-T17S-R31E EDDY COUNTY, NM	12/22/88	2/2/89	OIL PRODUCER	4021'/3956'	8 5/8" @ 603' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4021' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3345'- 3941'(OA) IP=92 BOPD DEEPEN WELLBORE TO 4050' PERFORATE: 3220'- 3484'(OA) CONVERT TO WATER INJECTION WELL
H.E. WEST "B" #41	660FSL & 2020FWL SEC 10-T17S-R31E EDDY COUNTY, NM	1/2/89	2/15/89	OIL PRODUCER	4008'/3935'	8 5/8" @ 602' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4008' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3301'- 3943'(OA) IP=98 BOPD
H.E. WEST "B" #42	2105FNL & 660FEL SEC 10-T17S-R31E EDDY COUNTY, NM	1/11/89	2/26/89	OIL PRODUCER	4004'/3800'	8 5/8" @ 641' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3985' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3398'- 3923'(OA) SET CIBP @ 3800' IP=79 BOPD

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H.E. WEST "B" #44	720'FSL & 1980'FWL SEC 3-T17S-R31E EDDY COUNTY, NM	2/9/93	8/1/93	OIL PRODUCER	4400'/3925'	8 5/8" @ 566' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4400' W/3625 SXS. CEMENT TO SURFACE. PERFORATE: 3294'- 4008'(OA) SET CIBP @ 3925' IP=52 BOPD
			1/25/95	WATER INJECTOR	4400'/4234'	DRILL OUT CIBP & CLEAN OUT WELLBORE TO 4234' PERFORATE: 3435'- 3968'(OA) CONVERT TO WATER INJECTION WELL
H.E. WEST "B" #48	2130'FSL & 1980'FEL SEC 10-T17S-R31E EDDY COUNTY, NM	7/8/94	10/5/94	OIL PRODUCER	4370'/4325'	8 5/8" @ 447' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4370' W/1007 SXS. CEMENT TO SURFACE. PERFORATE: 3272'- 4245'(OA) IP=69 BOPD
H.E. WEST "B" #49	1305'FSL & 1305'FWL SEC 3-T17S-R31E EDDY COUNTY, NM	4/5/93	8/29/93	OIL PRODUCER	4350'/4276'	8 5/8" @ 618' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 4350' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3314'- 3840'(OA) IP=10 BOPD
			8/23/95			PERFORATE: 3314'- 4043'(OA) - RETURN TO PRODUCTION
H.E. WEST "B" #50	50'FSL & 1400'FWL SEC 3-T17S-R31E EDDY COUNTY, NM	3/4/93	7/21/93	OIL PRODUCER	4356'/4285'	13 3/8" @ 576' W/250 SXS. CEMENT TO SURFACE. 5 1/2" @ 4356' W/1900 SXS. CEMENT TO SURFACE. PERFORATE: 3300'- 4052'(OA) IP=36 BOPD
			9/18/95			PERFORATE: 3675'- 3689'(OA) - RETURN TO PRODUCTION
H.E. WEST "B" #51	1337'FNL & 1363'FWL SEC 10-T17S-R31E EDDY COUNTY, NM	3/16/93	9/1/93	OIL PRODUCER	4372'/4321'	8 5/8" @ 575' W/250 SXS. CEMENT TO SURFACE. 5 1/2" @ 4372' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3308'- 3898'(OA) IP=10 BOPD
			10/8/95			PERFORATE: 3680'- 4185'(OA) - RETURN TO PRODUCTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
H.E. WEST "B" #65	1972FSL & 2078FWL SEC 3-T17S-R31E EDDY COUNTY, NM	2/21/93	5/6/93	OIL PRODUCER	4300'/4265'	13 3/8" @ 575' W/300 SXS. CEMENT TO SURFACE. 8 5/8" @ 1768' W/750 SXS. CEMENT TO SURFACE. 5 1/2" @ 4266' W/1070 SXS. CEMENT TO SURFACE. PERFORATE: 4142'- 4206'(OA) IP=15 BOPD PERFORATE: 3825'- 4101'(OA) - RETURN TO PRODUCTION PERFORATE: 3314'- 3552'(OA) - RETURN TO PRODUCTION CONVERT TO WATER INJECTION WELL
H.E. WEST "B" #66	1205FSL & 2530FWL SEC 3-T17S-R31E EDDY COUNTY, NM	9/23/94	2/14/95	OIL PRODUCER	4385'/4135'	8 5/8" @ 647' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4384' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3317'- 4192'(OA) IP=43 BOPD
H.E. WEST "B" #67	15FSL & 2625FWL SEC 3-T17S-R31E EDDY COUNTY, NM	9/23/94	1/3/95	OIL PRODUCER	4400'/3670'	8 5/8" @ 621' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4399' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 3306'- 3969'(OA) SET CIBP @ 3670' IP=10 BOPD
H.E. WEST "B" #68	1305FNL & 2625FWL SEC 10-T17S-R31E EDDY COUNTY, NM	10/2/94	12/24/94	OIL PRODUCER	4480'/3645'	8 5/8" @ 648' W/390 SXS. CEMENT TO SURFACE. 5 1/2" @ 4479' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 3319'- 3958'(OA) SET CIBP @ 3645' IP=53 BOPD
H.E. WEST "B" #69	2625FSL & 2625FWL SEC 10-T17S-R31E EDDY COUNTY, NM	10/10/94	11/7/94	OIL PRODUCER	4370'/4322'	8 5/8" @ 447' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4370' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 3275'- 3939'(OA) IP=20 BOPD
H.E. WEST "B" #60	2625FNL & 1305FWL SEC 10-T17S-R31E EDDY COUNTY, NM	9/13/94	1/26/95	OIL PRODUCER	4335'/4291'	8 5/8" @ 586' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4335' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 3272'- 4251'(OA) IP=94 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" #66	1230FNL & 1435FEL SEC 10-T17S-R31E EDDY COUNTY, NM	10/18/94	4/2/95	OIL PRODUCER	4450'/4401'	8 5/8" @ 694' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4449' W/1098 SXS. CEMENT TO SURFACE. PERFORATE: 3321'- 3917'(OA) IP=105 BOPD
H.E. WEST "B" #67	2625FNL & 1335FEL SEC 10-T17S-R31E EDDY COUNTY, NM	12/31/94	3/12/95	OIL PRODUCER	4395'/4366'	8 5/8" @ 646' W/425 SXS. CEMENT TO SURFACE. 5 1/2" @ 4394' W/1235 SXS. CEMENT TO SURFACE. PERFORATE: 3321'- 4219'(OA) IP=35 BOPD
H.E. WEST "B" #65	2614FSL & 2621FWL SEC 3-T17S-R31E EDDY COUNTY, NM	3/10/95	4/24/95	OIL PRODUCER	4470'/4421'	8 5/8" @ 643' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 4469' W/965 SXS. CEMENT TO SURFACE. PERFORATE: 3328'- 4237'(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>
ARTESIA PETROLEUM CO #2 The Blanco Company	1980FNL & 660FEL SEC 1-T17S-R30E EDDY COUNTY, NM	7/14/56	9/26/56	OIL PRODUCER	3086/3086'	8 5/8" @ 597' W/50 SXS 7" @ 2495' W/15 SXS 5 1/2" @ 3086' W/320 SXS PERFORATE: 3030' - 3050' IP=50 BOPD
GRYBRG-JCKSN SA UT #38 Burnett Oil Company, Inc.	660FNL & 660FEL SEC 12-T17S-R30E EDDY COUNTY, NM	4/14/57	8/8/57	OIL PRODUCER	3540/3540'	8 5/8" @ 540' W/50 SXS 7" @ 2412' (LANDED - NOT CEMENTED) 5 1/2" @ 3492' W/100 SXS PERFORATE: 3386' - 3540'(OA) IP=43 BOPD
GRYBRG-JCKSN SA UT #48 Burnett Oil Company, Inc.	1980FNL & 660FEL SEC 12-T17S-R30E EDDY COUNTY, NM	6/27/92	11/16/92	OIL PRODUCER	3589/3583'	8 5/8" @ 505' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3583' W/830 SXS. CEMENT TO SURFACE. PERFORATE: 3101' - 3470'(OA) IP=36 BOPD
LOE, H.J. #1 Xeric Oil & Gas Corporation	330FSL & 1337FWL SEC 31-T16S-R31E EDDY COUNTY, NM	5/8/57	5/31/57	OIL PRODUCER	3160/3160'	8 5/8" @ 1446' W/900 SXS 5 1/2" @ 3160' W/350 SXS PERFORATE: 2974' - 3132'(OA) IP=17 BOPD DEEPEN WELLBORE TO 3206' - RETURN TO PRODUCTION
JACKSON FEDERAL "B" #18 Burnett Oil Company, Inc.	1980FSL & 660FEL SEC 1-T17S-R30E EDDY COUNTY, NM	11/26/56	2/15/57	OIL PRODUCER	3220/3220'	8 5/8" @ 571' W/50 SXS 5 1/2" @ 3220' W/195 SXS PERFORATE: 2881' - 3183'(OA) IP=100 BOPD
JACKSON FEDERAL #19 Burnett Oil Company, Inc.	660FSL & 660FEL SEC 1-T17S-R30E EDDY COUNTY, NM	2/15/57	4/18/57	OIL PRODUCER	3197/3197'	8 5/8" @ 560' W/50 SXS 5 1/2" @ 3197' W/100 SXS PERFORATE: 2899' - 3172'(OA) IP=309 BOPD

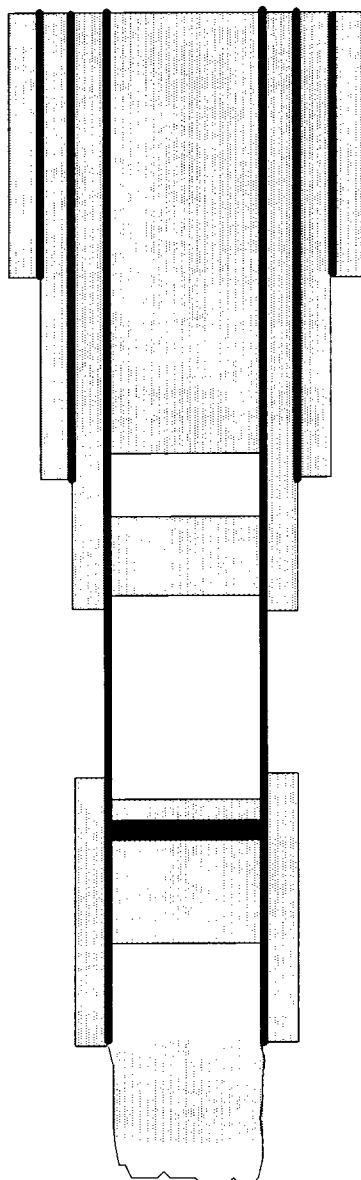
VI Wells Within "Area Of Review"

<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>
LEA FEDERAL "C" #3 Texaco Expl & Prod, Inc.	660FNL & 660FWL SEC 11-T17S-R31E EDDY COUNTY, NM	1/24/60	5/19/60	OIL PRODUCER	3740'/3740'	8 5/8" @ 575' W/95 SXS 5 1/2" @ 3626' W/375 SXS PERFORATE: 3430'- 3606'(OA) IP=36 BOPD DEEPEN WELLBORE TO 3952' RUN 4 1/2" LINER @ 3610'- 3952' W/75 SXS PERFORATE: 3430'- 3932'(OA) - RETURN TO PRODUCTION
LEA FEDERAL "C" #10 Apache Corporation	1980FNL & 660FWL SEC 11-T17S-R31E EDDY COUNTY, NM	7/12/72	8/3/72	OIL PRODUCER	3940'/3940'	8 5/8" @ 620' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3939' W/1600 SXS. CEMENT TO SURFACE. PERFORATE: 3385'- 3883'(OA) IP=40 BOPD
LEA FEDERAL "C" #11 Texaco Expl & Prod, Inc.	1980FSL & 660FWL SEC 11-T17S-R31E EDDY COUNTY, NM	7/21/72	8/5/72	OIL PRODUCER	3930'/3930'	8 5/8" @ 614' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3930' W/1600 SXS. CEMENT TO SURFACE. PERFORATE: 3361'- 3872'(OA) IP=78 BOPD
TIDEWATER STATE #1 Mack Energy Corporation	660FSL & 660FWL SEC 2-T17S-R31E EDDY COUNTY, NM	9/8/60	10/8/60	OIL PRODUCER	3761'/3753'	8 5/8" @ 368' W/140 SXS 5 1/2" @ 3753' W/125 SXS PERFORATE: 3500'- 3619'(OA) IP=82 BOPD
TIDEWATER STATE #2 Mack Energy Corporation	1980FSL & 660FWL SEC 2-T17S-R31E EDDY COUNTY, NM	10/20/60	11/23/60	OIL PRODUCER	3775'/3775'	8 5/8" @ 380' W/140 SXS 5 1/2" @ 3775' W/350 SXS PERFORATE: 3482'- 3747'(OA) IP=197 BOPD
TIDEWATER STATE #3 Mack Energy Corporation	1977FNL & 660FWL SEC 2-T17S-R31E EDDY COUNTY, NM	12/30/60	1/21/61	OIL PRODUCER	3795'/3795'	8 5/8" @ 365' W/125 SXS 5 1/2" @ 3795' W/175 SXS PERFORATE: 3489'- 3750'(OA) IP=210 BOPD

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

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



CURRENT



PROPOSED

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

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

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

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

CEMENT PLUG: 1414' - 1550'

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

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

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

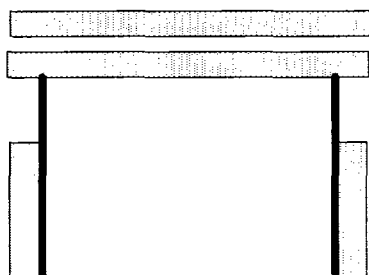
TD @ 3600'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "A" #1	FIELD: GRAYBURG-JACKSON
LOCATION: 660'FNL & 1980'FWL, SEC 3-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3979'; KB=UNK	SPUD DATE: 07/17/46 COMP DATE: 09/17/46
API#:	PREPARED BY: C.H. CARLETON DATE: 06/04/96

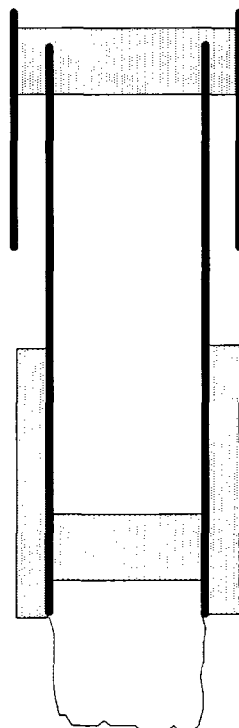
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	202' - 806'	10 3/4"	32.75#	H-40		
CASING:	2115' - 2887'	8 5/8"	32#			
CASING:	2130' - 3570'	7"	24#			
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 09/25/46 (DRY & ABANDONED)
CEMENT PLUG: 0' - 15' W/10 SXS
CEMENT PLUG: 172' - 202' W/20 SXS
PULLED 202' OF 10 3/4" CASING
10 3/4" CASING, SET W/100 SXS. TOC @ 450'(CALC)



PULLED 2115' OF 8 5/8" CASING
CEMENT PLUG: 2120' - 2170' W/15 SXS
PULLED 2130' OF 7" CASING

8 5/8" CASING, LANDED - NOT CEMENTED.

CEMENT PLUG: 3320' - 3380' W/10 SXS

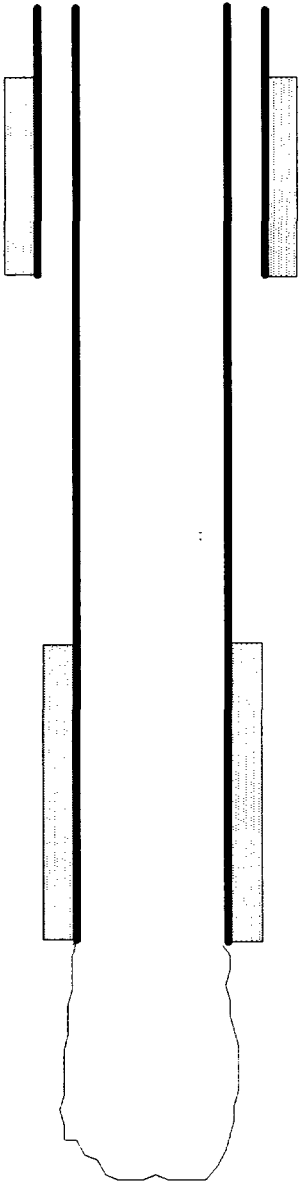
7" CASING, SET W/50 SXS. TOC @ 3170'(CALC)

OPEN HOLE: 3570' - 3690'

TD @ 3690'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: H.E. WEST "A" #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 330°FNL & 330°FEL, SEC 3-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3999'; KB=UNK			SPUD DATE: 03/19/39		COMP DATE: 06/25/39	
API#: 30-015-05050		PREPARED BY: C.H. CARLETON			DATE: 06/04/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 887'	8 5/8"	32#			10"
CASING:	0' - 3670'	7"	24#			8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 07/05/39 (DRY & ABANDONED)

8 5/8" CASING, SET W/50 SXS. TOC @ 650'(CALC)

**NOTE: UNKNOWN WHERE CEMENT PLUGS ARE LOCATED, NO
PLUGGING INFORMATION AVAILABLE FROM THE BLM**

7" CASING SET W/200 SXS. TOC @ 2055'(CALC)

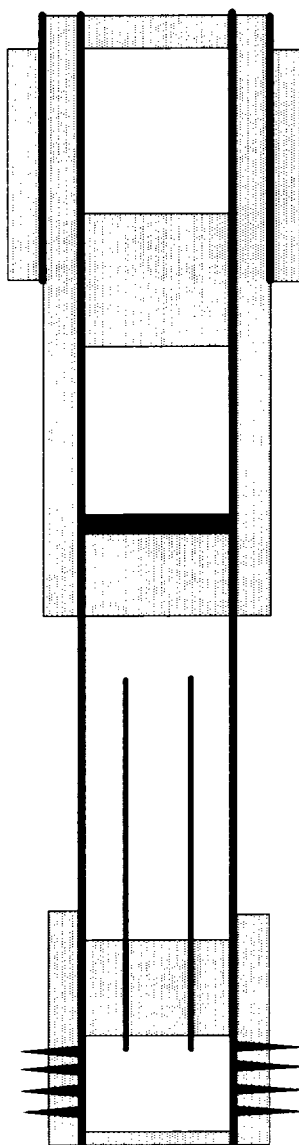
OPEN HOLE COMPLETION: 3670' - 4483'

TD @ 4483'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "A" #12				FIELD: GRAYBURG-JACKSON		
LOCATION: 1980°FNL & 660°FEL, SEC 3-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3975'; KB=UNK				SPUD DATE: 03/18/61		COMP DATE: 05/21/61
API#: 30-015-05055		PREPARED BY: C.H. CARLETON			DATE: 06/04/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 840'	8 5/8"	24#	J-55		12 1/4"
CASING:	0' - 3760'	4 1/2"	9.5#	J-55		8"
CASING:						
TUBING:	2073' - 3520'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 05/01/81

CEMENT PLUG: 0' - 90'

CEMENT PLUG: 665' - 940' W/20 SXS

8 5/8" CASING, SET W/100 SXS. TOC @ 680'(CALC)

CIRCULATED 200 SXS IN 4 1/2" - 8 5/8" ANNULUS TO SURFACE.

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

PERFORATE 4 1/2" CASING @ 1916'

BACKOFF 2 3/8" TUBING @ 2073'

CEMENT PLUG: 2780' - 3515' W/50 SXS

PERFORATE 2 3/8" TUBING @ 3715'

PERFORATIONS: 3544' - 3715' (OA)

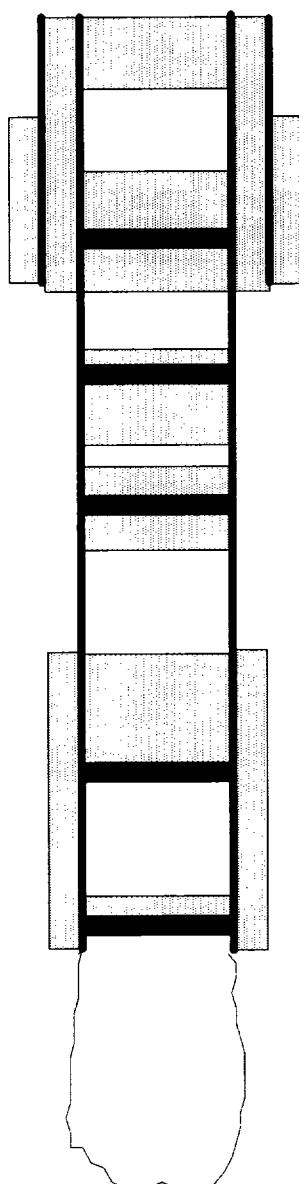
4 1/2" CASING, SET W/200 SXS. TOC @ 2550'(TEMP SURVEY)

TD @ 3760'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #23			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980°FSL & 1980°FWL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3948'; KB=UNK			SPUD DATE: 07/26/59		COMP DATE: 09/10/59	
API#: 30-015-05058		PREPARED BY: C.H. CARLETON			DATE: 06/04/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 797'	8 5/8"	24#	J-55		10"
CASING:	0' - 3456'	5"	11.5#	J-55		8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 04/27/82

CEMENT PLUG: 0' - 150'

CEMENT RETAINER @ 750', PUMP 260 SXS BELOW & CAP W/150' CMT.

8 5/8" CASING, SET W/100 SXS. TOC @ 325'(CALC)

PERFORATE 5" CASING @ 800'

CEMENT RETAINER @ 1155', PUMP 1000 SXS BELOW & CAP W/10' CMT.

CEMENT RETAINER @ 1627', PUMP 200 SXS BELOW & CAP W/100' CMT.

CIBP @ 2978', CAPPED W/300' CMT

CIBP @ 3451', CAPPED W/10' CMT

5" CASING SET W/100 SXS. TOC @ 2670'(CBL)

OPEN HOLE COMPLETION: 3456' - 3557'

TD @ 3557'

**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 3, 6, 7, & 10-T17S-R31E. Offset operators in the "area of review" are as follows:

- | | |
|--|---|
| (1) Burnett Oil Company, Inc.
801 Cherry Street, Suite 1500
Ft. Worth, TX 76102 | (2) Mack Energy Corporation
P.O. Box 1359
Artesia, NM 88221-1359 |
| (3) The Blanco Company
P.O. Box 1698
Roswell, NM 88202-1698 | (4) Texaco Expl. & Prod., Inc.
4601 DTC Blvd.
Denver, CO 80237-2549 |
| (5) Apache Corporation
One Post Oak Central
2000 Post Oak Blvd., Suite 100
Houston, TX 77056-4400 | (6) Xeric Oil & Gas Corporation
P.O. Box 51311
Midland, TX 79710 |

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

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

devon
ENERGY CORPORATION

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

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

May 31, 1996

Certified Mail Z 737 086 202

Apache Corporation
One Post Oak Central
2000 Post Oak Blvd., Suite 100
Houston, TX 77056-4400

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Keel/West Area - Phase 5
Sections 3, 6, 7, & 10 - 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 twelve (12) wells to water injection in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	SENDER: <ul style="list-style-type: none">■ Complete items 1 and/or 2 for additional services.■ Complete items 3, 4a, and 4b.■ 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: APACHE CORPORATION ONE POST OAK CENTRAL 2000 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400		4a. Article Number Z 737 086 202	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	5. Received By: (Print Name)		7. Date of Delivery 6-3-96	
	6. Signature: (Addressee or Agent) X [Signature]		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1994

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 405/552-4550

May 31, 1996

Certified Mail Z 737 086 203

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Keel/West Area - Phase 5
Sections 3, 6, 7, & 10 - 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 twelve (12) wells to water injection in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	SENDER: <ul style="list-style-type: none">Complete items 1 and/or 2 for additional services.Complete items 3, 4a, and 4b.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: THE BLANCO COMPANY P.O. BOX 1698 ROSWELL, NM 88202-1698		4a. Article Number Z 737 086 203	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	5. Received By: (Print Name)		7. Date of Delivery 6-10-96	
	6. Signature (Addressee or Agent) X Phil Wolt		8. Addressee's Address (Only if requested and fee is paid)	



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

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

May 31, 1996

Certified Mail Z 737 086 204

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Keel/West Area - Phase 5
Sections 3, 6, 7, & 10 - T17S - R31E
Eddy County, NM

Gentlemen:

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Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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3. Article Addressed to: BURNETT OIL COMPANY, INC 801 CHERRY ST., SUITE 1500 FT. WORTH, TX 76102		4a. Article Number Z 737 086 204	
		4b. Service Type <ul style="list-style-type: none"><input type="checkbox"/> Registered<input type="checkbox"/> Express Mail<input type="checkbox"/> Return Receipt for Merchandise<input checked="" type="checkbox"/> Certified<input type="checkbox"/> Insured<input type="checkbox"/> COD	
5. Received By: (Print Name)		7. Date of Delivery JUN 03 1996	
6. Signature: (Addressee or Agent) X [Signature]		8. Addressee's Address (Only if requested and fee is paid)	

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.



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

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

May 31, 1996

Certified Mail Z 737 086 205

Mack Energy Corporation
P.O. Box 1359
Artesia, NM 88221-1359

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Keel/West Area - Phase 5
Sections 3, 6, 7, & 10 - 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 twelve (12) wells to water injection in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: MACK ENERGY CORPORATION P.O. BOX 1359 960 ARTESIA, NM 88221-1359 PO BOX 960 88221-0960		4a. Article Number Z 737 086 205	
			4b. Service Type <ul style="list-style-type: none"><input type="checkbox"/> Registered<input type="checkbox"/> Express Mail<input type="checkbox"/> Return Receipt for Merchandise<input checked="" type="checkbox"/> Certified<input type="checkbox"/> Insured<input type="checkbox"/> COD	
	5. Received By: (Print Name)		7. Date of Delivery 10.5.96	
	6. Signature: (Addressee or Agent) X		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.



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

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

May 31, 1996

Certified Mail Z 737 086 206

Texaco Exploration & Production, Inc.
4601 DTC Blvd.
Denver, CO 80237-2549

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Keel/West Area - Phase 5
Sections 3, 6, 7, & 10 - 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 twelve (12) wells to water injection in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: TEXACO EXPL & PROD, INC. 4601 DTC BLVD. DENVER, CO 80237-2549		4a. Article Number Z 737 086 206	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	5. Received By: (Print Name)		7. Date of Delivery 5.3.96	
	6. Signature: (Addressee or Agent) X		8. Addressee's Address (Only if requested and fee is paid)	



ENERGY CORPORATION

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

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

May 31, 1996

Certified Mail Z 737 086 207

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Keel/West Area - Phase 5
Sections 3, 6, 7, & 10 - T17S - R31E
Eddy County, NM

Gentlemen:

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: XERIC OIL & GAS CORPORATION P.O. BOX 51311 MIDLAND, TX 79710		4a. Article Number Z 737 086 207	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	5. Received By: (Print Name)		7. Date of Delivery	
	6. Signature: (Addressee or Agent) X		8. Addressee's Address (Only if requested and fee is paid)	

Affidavit of Publication

Nº 17830

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:

June 4, 1996
_____, 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

6th day of June, 1996

Donna Crump

My commission expires 08/01/98
Notary Public

June 4, 1996

Notice is hereby given that Devon Energy Operating Corporation is applying to the New Mexico Oil Conservation Division to convert twelve (12) wells to water injection wells for secondary recovery purposes in:

Sections 3, 6, 7, & 10 of T17S
- R31E, Eddy County, NM

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

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

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

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