

devon

ENERGY OPERATING CORPORATION

20 North Broadway, Suite 1500

Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611

FAX 405/552-4550

WFX 4/21/97

713

Keel - West
20 wells

April 2, 1997

Certified Mail P 240 501 846

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

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

Dear Sir:

Enclosed are two(2) copies of the "Application For Authorization To Inject" covering various leases in Sections 3, 4, 5, 6, 8, 9, and 10 of T17S - R31E, Eddy County, NM.

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

Sincerely,
Devon Energy Corporation

Charles H. Carleton

Charles H. Carleton
Sr Engineering Technician

/chc
enclosures

xc: Well File

CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: DEVON ENERGY CORP. Well: KEEL - WEST 20 WELLS
Contact: SKIP CARLETON Title: ENG. TECH. SR. Phone: 405-552-4528
DATE IN 4-4-97 RELEASE DATE 4-21-97 DATE OUT 5-19-97

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 _____

AREA of REVIEW WELLS

105 Total # of AOR 20 # of Plugged Wells
YES Tabulation Complete YES Schematics of P & A's
YES Cement Tops Adequate NO 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
NO Objection Received ☐ Set to Hearing _____ Date


NOTES: _____

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? YES

COMMUNICATION WITH CONTACT PERSON:

1st Contact: <input checked="" type="checkbox"/> Telephoned	<input type="checkbox"/> Letter <u>5-19-97</u> Date	Nature of Discussion <u>VERBAL</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 _____

APPLICATION FOR AUTHORIZATION TO INJECT

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

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

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

III Well Data:

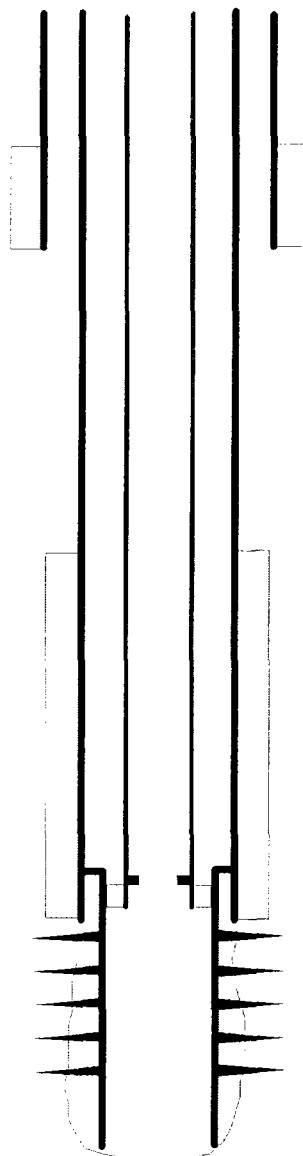
- A. (1) J.L. Keel "B" #2
660' FSL & 660' FWL
Section 8-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 28# @ 524'. Set with 75 sxs. TOC @ 330'(calculated)
Hole Size = 11"(estimated)
- Production Casing:
7" 24# @ 2850'. Set with 100 sxs. TOC @ 1920'(calculated)
Hole Size = 7 7/8"(estimated)
- Liner:
4 1/2" 9.5# @ 2752'- 3618'. Set with 104 sxs. TOC @ liner top.
Hole Size = 6 1/4" (estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2650'.
- (4) 7" Baker Lock-Set tension packer set at 2650'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2735'- 3620'(OA). **The injection interval is 2735'- 3620'.**
- (3) This well was originally drilled and completed as a Grayburg/San Andres oil well, but was later converted to a water injection well injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2735'- 3620' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

2735'
3630'
3660'
3810'
3910'
3915'
4040'
4125'
4160'

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FWL, SEC 8-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3708'; KB=UNK			SPUD DATE: 07/15/44		COMP DATE: 10/16/44	
API#: 30-015-05103		PREPARED BY: C.H. CARLETON			DATE: 02/25/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING	0' - 524'	8 5/8"	28#			
CASING	0' - 2850'	7"	24#			
CASING	2752' - 3618'	4 1/2"	9.5#			
TUBING	0' - 2847'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/75 SXS. TOC @ 330'(calculated)

SN @ 2846'

BAKER MODEL "R" PACKER @ 2847'

7" CASING SET W/100 SXS. TOC @ 1920'(calculated)

PERFORATIONS: 2914'- 3555' (OA) - 168 HOLES

PBTD @ 3616'

4 1/2" LINER, SET W/104 SXS.

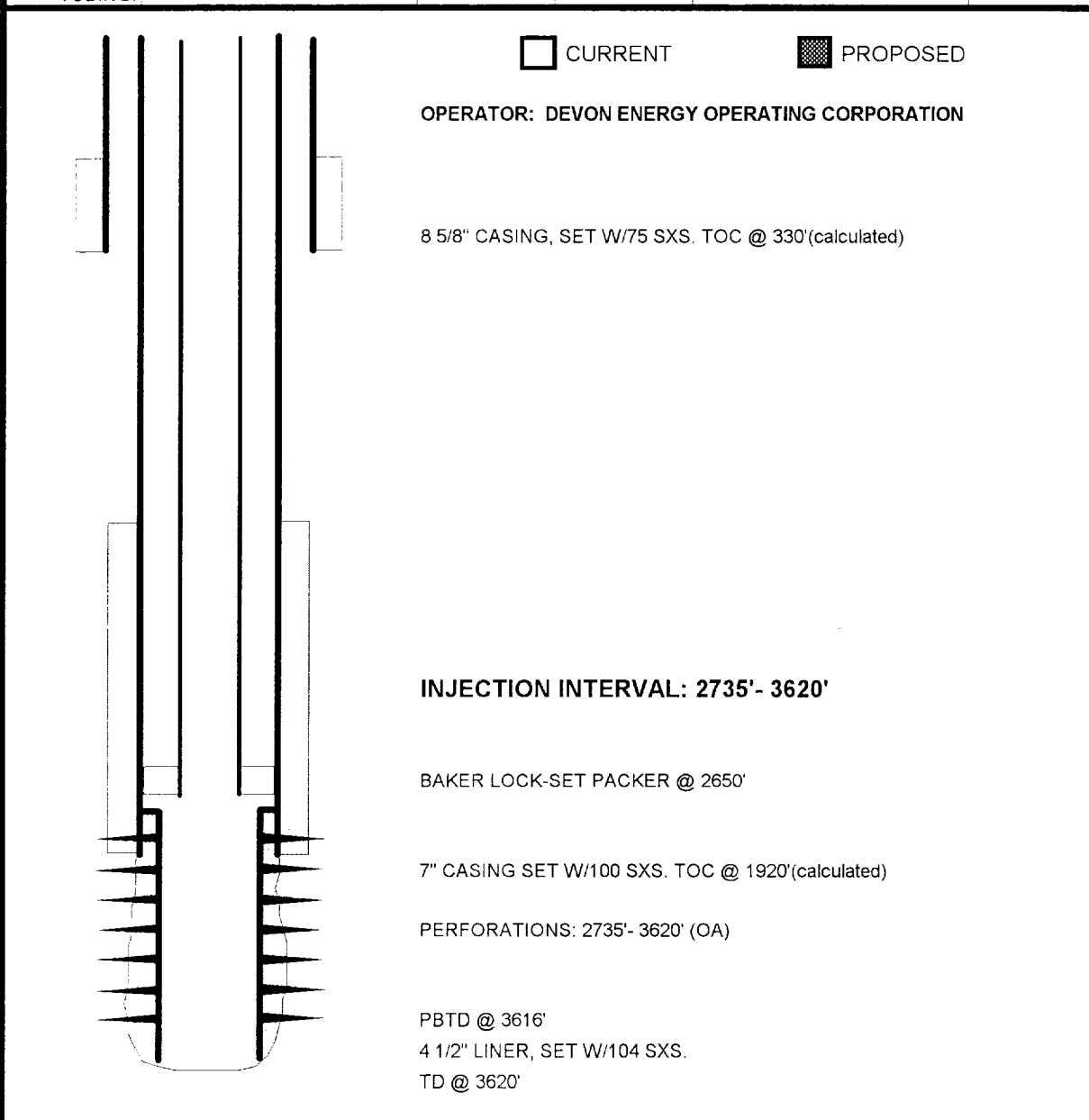
TD @ 3620'

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

III Well Data:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #2			FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 660'FWL, SEC 8-T17S-R31E			COUNTY: EDDY		STATE: NM
ELEVATION: GL=3708'; KB=UNK			SPUD DATE: 07/15/44		COMP DATE: 10/16/44
API#: 30-015-05103		PREPARED BY: C.H. CARLETON			DATE: 02/25/97
	DEPTH	SIZE	WEIGHT	GRADE	THREAD HOLE SIZE
CASING:	0' - 524'	8 5/8"	28#		
CASING:	0' - 2850'	7"	24#		
CASING:	2752' - 3618'	4 1/2"	9.5#		
TUBING:	0' - 2650'	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:

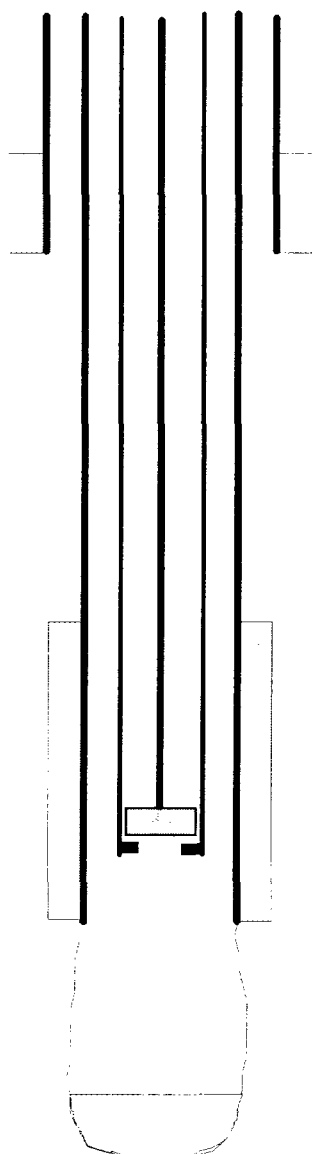
- A. (1) J.L. Keel "B" #3
660'FSL & 1980'FWL
Section 8-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 28# @ 518'. Set with 50 sxs. TOC @ 390'(calculated)
Hole Size = 11"(estimated)
- Intermediate Casing:
7" 24# @ 2930'. Set with 100 sxs. TOC @ 2000'(calculated)
Hole Size = 7 7/8"(estimated)
- Production Casing:
4 1/2" 11.6# J-55 LT&C @ 3630'. TOC @ surface.
Hole Size = 6 1/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2700'.
- (4) 4 1/2" Baker AD-1 tension packer set at 2700'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2775'- 3630'(OA). **The injection interval is 2775'- 3630'.**
- (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 2775'- 3630' 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" #3	FIELD: GRAYBURG-JACKSON
LOCATION: 660'FSL & 1980'FWL, SEC 8-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3713' KB=UNK	SPUD DATE: 10/30/44 COMP DATE: 02/01/45
API#: 30-015-05104	PREPARED BY: C.H. CARLETON DATE: 02/25/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 518'	8 5/8"	28#			
CASING:	0' - 2930'	7"	24#			
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/50 SXS. TOC @ 390'(calculated)

SEAT NIPPLE @ 2850'

7" CASING SET W/100 SXS. TOC @ 2000'(calculated)

OPEN HOLE COMPLETION: 2930' - 3489'

PBTD @ 3489' W/50 SXS

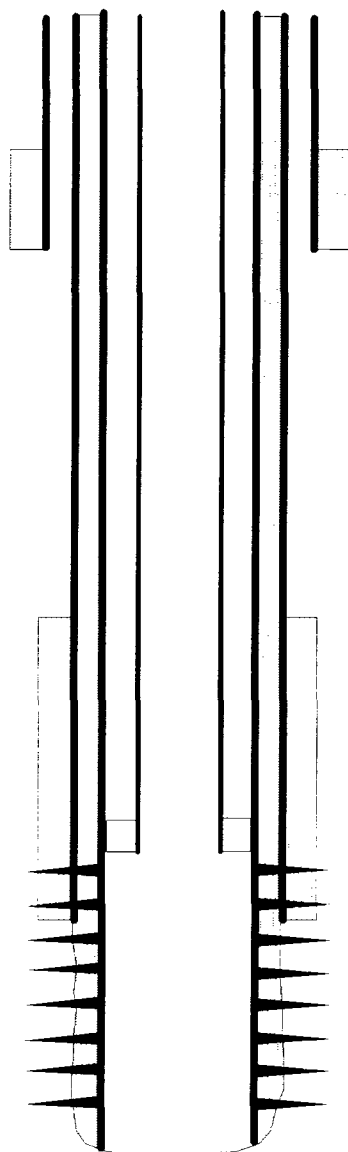
TD @ 3630'

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

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FWL, SEC 8-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3713'; KB=UNK			SPUD DATE: 10/30/44		COMP DATE: 02/01/45	
API#: 30-015-05104		PREPARED BY: C.H. CARLETON			DATE: 02/25/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 518'	8 5/8"	28#			
CASING:	0' - 2930'	7"	24#			
CASING:						
TUBING:	0' - 2700'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/50 SXS. TOC @ 390'(calculated)

INJECTION INTERVAL: 2775'- 3630'

BAKER AD-1 PACKER @ 2700'

7" CASING SET W/100 SXS. TOC @ 2000'(calculated)

PERFORATIONS: 2775'- 3630' (OA)

4 1/2" CASING, TOC @ SURFACE

TD @ 3630'

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:**

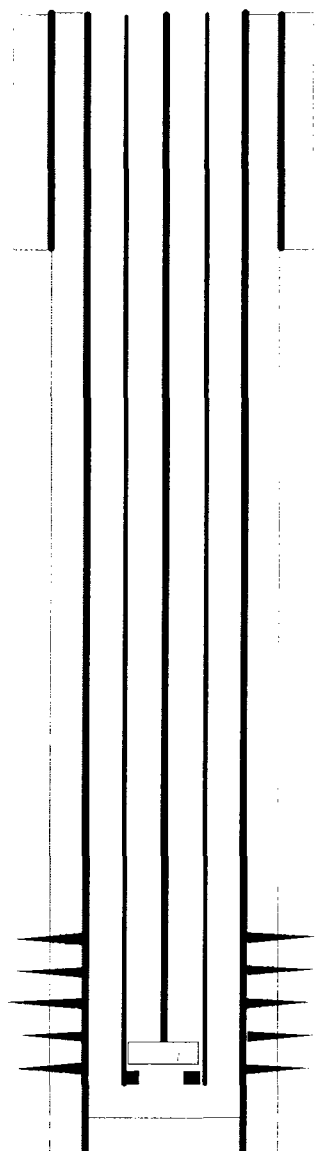
- A. (1) J.L. Keel "B" #32
 610'FSL & 1980'FEL
 Section 6-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# K-55 ST&C @ 550'. Set with 350 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 17# K-55 LT&C @ 3650'. Set with 2300 sxs. TOC @ surface.
 Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2950'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2950'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3003'- 3650'(OA). **The injection interval is 3003'- 3650'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3003'- 3650' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #32		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FNL & 1980'FEL, SEC 6-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3767'; KB=UNK		SPUD DATE: 12/22/83	COMP DATE: 04/09/84
API#: 30-015-24694	PREPARED BY: C.H. CARLETON		DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 550'	8 5/8"	24#	K-55	ST&C	12 1/4"
CASING:	0' - 3650'	5 1/2"	17#	K-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3460'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

PERFORATIONS: 3003'- 3418' (OA) - 26 HOLES

SEAT NIPPLE @ 3460'

PBTD @ 3560'

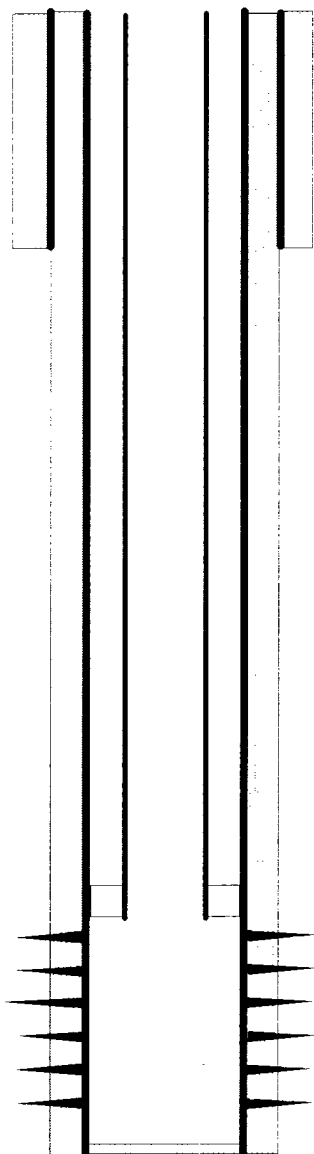
5 1/2" CASING SET W/2300 SXS. TOC @ SURFACE

TD @ 3650'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #32			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 6-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3767'; KB=UNK			SPUD DATE: 12/22/83		COMP DATE: 04/09/84	
API#: 30-015-24694		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 550'	8 5/8"	24#	K-55	ST&C	12 1/4"
CASING:	0' - 3650'	5 1/2"	17#	K-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2950'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

INJECTION INTERVAL: 3003'- 3650'

BAKER AD-1 PACKER @ 2950'

PERFORATIONS: 3003'- 3650' (OA)

5 1/2" CASING SET W/2300 SXS. TOC @ SURFACE
TD @ 3650'

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

III **Well Data:**

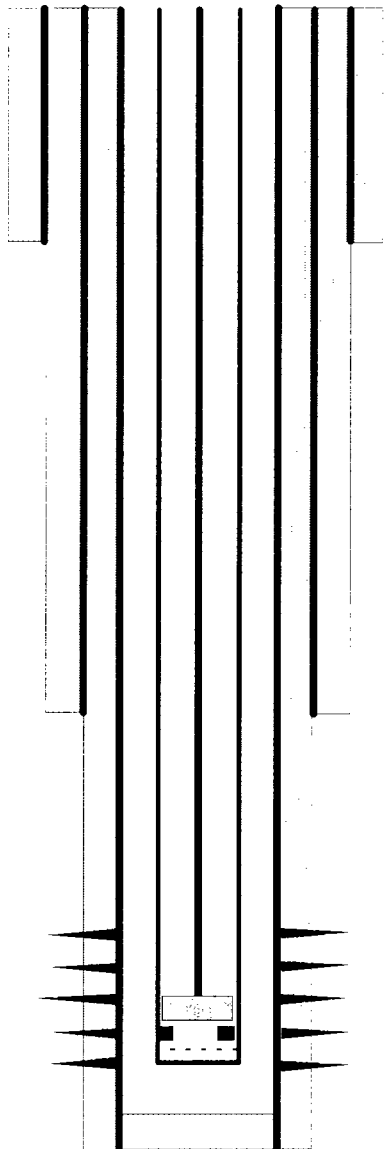
- A. (1) J.L. Keel "B" #35
 635'FNL & 1586'FWL
 Section 6-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 13 3/8" 54.5# J-55 ST&C @ 414'. Set with 650 sxs. TOC @ surface
 Hole Size = 18"
- Intermediate Casing:
 9 5/8" 36# K-55 ST&C @ 2700'. Set with 1415 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 7" 26# K-55 LT&C @ 3550'. Set with 650 sxs. TOC @ surface
 Hole Size = 8 3/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2900'.
- (4) 7" Baker Lock-Set tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2952'- 3550'(OA). **The injection interval is 2952'- 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 2952'- 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" #35		FIELD: GRAYBURG-JACKSON	
LOCATION: 635'FNL & 1586'FWL, SEC 6-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3778'; KB=3790'		SPUD DATE: 01/20/86	COMP DATE: 03/12/86
API#: 30-015-25448	PREPARED BY: C.H. CARLETON		DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 414'	13 3/8"	54.5#	J-55	ST&C	18"
CASING:	0' - 2700'	9 5/8"	36#	K-55	ST&C	12 1/4"
CASING:	0' - 3550'	7"	26#	K-55	LT&C	8 3/4"
TUBING:	0' - 3167'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

13 3/8" CASING, SET W/650 SXS. TOC @ SURFACE.

9 5/8" CASING, SET W/1415 SXS. TOC @ SURFACE

PERFORATIONS: 2952'- 3425' (OA) - 26 HOLES

SEAT NIPPLE @ 3131'

PBTD @ 3506'

7" CASING SET W/650 SXS. TOC @ SURFACE

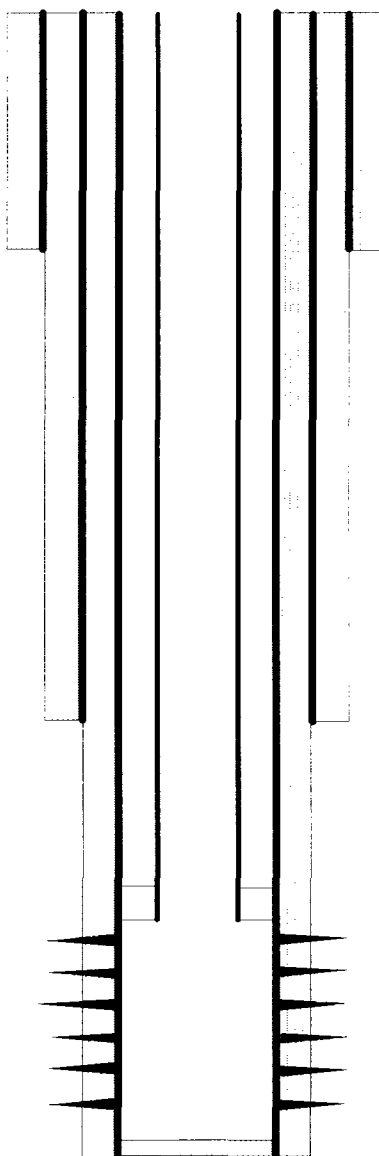
TD @ 3550'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #35		FIELD: GRAYBURG-JACKSON	
LOCATION: 635'FNL & 1586'FWL, SEC 6-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3778'; KB=3790'		SPUD DATE: 01/20/86	COMP DATE: 03/12/86
API#: 30-015-25448	PREPARED BY: C.H. CARLETON		DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 414'	13 3/8"	54.5#	J-55	ST&C	18"
CASING:	0' - 2700'	9 5/8"	36#	K-55	ST&C	12 1/4"
CASING:	0' - 3550'	7"	26#	K-55	LT&C	8 3/4"
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/650 SXS. TOC @ SURFACE.

9 5/8" CASING, SET W/1415 SXS. TOC @ SURFACE

INJECTION INTERVAL: 2952' - 3550'

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2952' - 3550' (OA)

7" CASING SET W/650 SXS. TOC @ SURFACE
TD @ 3550'

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

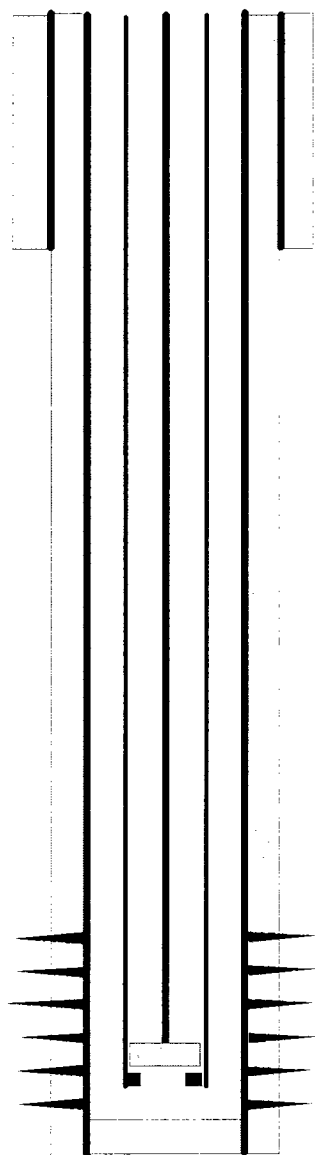
III **Well Data:**

- A. (1) J.L. Keel "B" #41
 660'FNL & 1980'FEL
 Section 5-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 458'. Set with 350 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 17# J-55 LT&C @ 3843'. 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 2900'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2966'- 3843'(OA). **The injection interval is 2966'- 3843'.**
- (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 2966'- 3843' 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" #41			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 5-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3884'; KB=UNK			SPUD DATE: 09/16/88		COMP DATE: 11/20/88	
API# 30-015-25980		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 458'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3843	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3723'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

PERFORATIONS: 3172'- 3783' (OA) - 163 HOLES

SEAT NIPPLE @ 3723'

PBTD @ 3785'

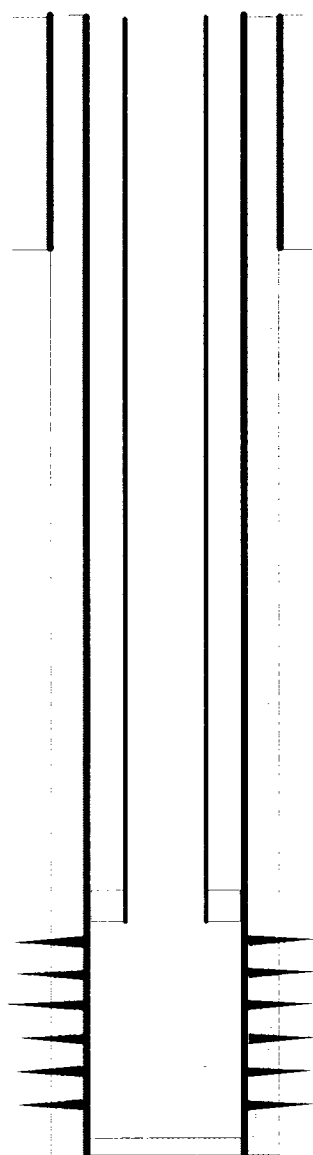
5 1/2" CASING SET W/1350 SXS. TOC @ SURFACE

TD @ 3843'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #41			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 5-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3884'; KB=UNK			SPUD DATE: 09/16/88		COMP DATE: 11/20/88	
API#: 30-015-25980		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 458'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3843'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

INJECTION INTERVAL: 2966'- 3843'

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2966'- 3843' (OA)

5 1/2" CASING SET W/1350 SXS. TOC @ SURFACE
TD @ 3843'

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

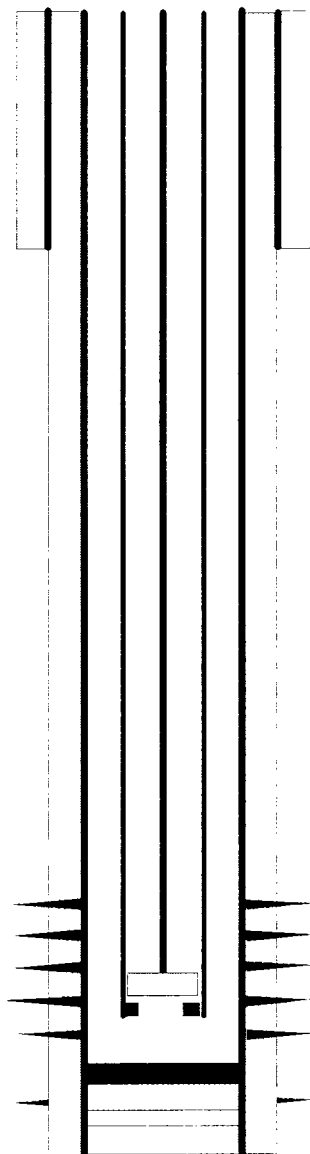
III **Well Data:**

- A. (1) J.L. Keel "B" #44
 660'FNL & 660'FEL
 Section 5-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 504'. Set with 300 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 17# J-55 LT&C @ 3916'. Set with 1250 sxs. TOC @ surface
 Hole Size = 7 7/8"
- (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) Water injection will be through perforations 3177'- 3916'(OA). **The injection interval is 3177'- 3916'.**
- (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 3177'- 3916' 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" #44				FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FEL, SEC 5-T17S-R31E				COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3981'; KB=3992'				SPUD DATE: 01/31/89		COMP DATE: 03/24/89	
API#: 30-015-26261		PREPARED BY: C.H. CARLETON			DATE: 02/24/97		
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE	
CASING:	0' - 504'	8 5/8"	24#	J-55	ST&C	12 1/4"	
CASING:	0' - 3916'	5 1/2"	17#	J-55	LT&C	7 7/8"	
CASING:							
TUBING:	0' - 3732'	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: 3177'- 3793' (OA) - 171 HOLES

SEAT NIPPLE @ 3732'

CEMENT RETAINER @ 3800'

PERFS: 3808'- 3865' (OA) SQZ'D W/4000 GAL INJECTROL & 30 SXS CMT

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE

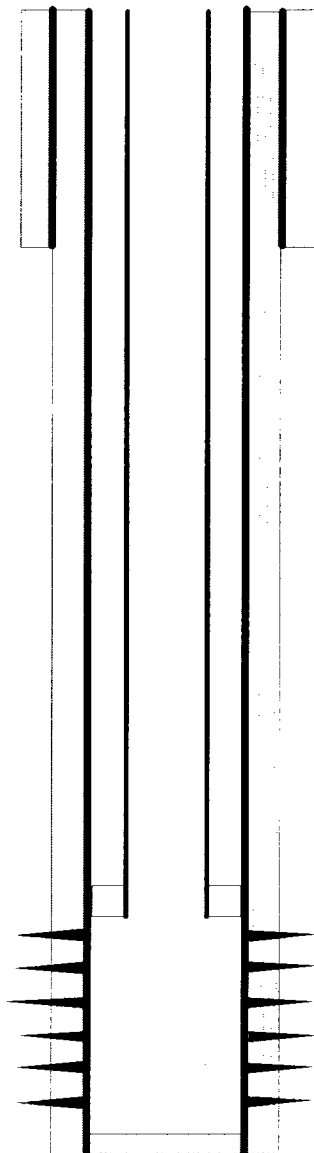
TD @ 3916'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "B" #44		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FNL & 660'FEL, SEC 5-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3981'; KB=3992'		SPUD DATE: 01/31/89	COMP DATE: 03/24/89
API#: 30-015-26261	PREPARED BY: C.H. CARLETON		DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 504'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3916'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

INJECTION INTERVAL: 3177' - 3916'

BAKER AD-1 PACKER @ 3100'

PERFORATIONS: 3177' - 3916' (OA)

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE
TD @ 3916'

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

III **Well Data:**

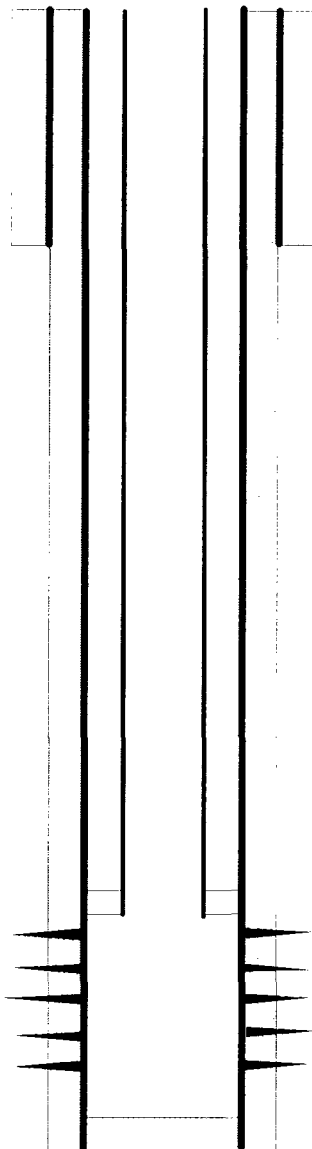
- A. (1) J.L. Keel "B" #48
 744'FNL & 2029'FWL
 Section 5-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 15.5# J-55 LT&C @ 4020'. TOC @ surface
 Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2850'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2950'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2904'- 3918'(OA). **The injection interval is 2904'- 3918'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2904'- 3918' 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" #48	FIELD: GRAYBURG-JACKSON
LOCATION: 744'FNL & 2029'FWL, SEC 5-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=UNK; KB=UNK	SPUD DATE: COMP DATE:
API#: 30-015-	PREPARED BY: C.H. CARLETON DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4020'	5 1/2"	15.5#	J-55	ST&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, CEMENT TO SURFACE.

INJECTION INTERVAL: 2904' - 3918'

BAKER AD-1 PACKER @ 2850'

PERFORATIONS: 2904' - 3918' (OA)

5 1/2" CASING, CEMENT TO SURFACE.

TD @ 4020'

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

III **Well Data:**

A. (1) H.E. West "A" #2
 660'FNL & 1980'FEL
 Section 4-T17S-R31E
 Eddy County, NM

(2) Surface Casing:
 10 3/4" 45# @ 649'. Set with 125 sxs. TOC @ 210'(calculated)
 Hole Size = 12 1/4"(estimated)

 Intermediate Casing:
 7" 24# @ 3338'. Set with 150 sxs. TOC @ 2940'(calculated)
 Hole Size = 9 3/4"(estimated)

 Production Casing:
 4 1/2" 11.6# J-55 LT&C @ 4150'. TOC @ surface
 Hole Size = 6 1/4"

(3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3050'.

(4) 4 1/2" Baker AD-1 tension packer set at 3050'.

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

(2) Water injection will be through perforations 3112'- 4047'(OA). **The injection interval is 3112'- 4047'.**

(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 3112'- 4047' interval.

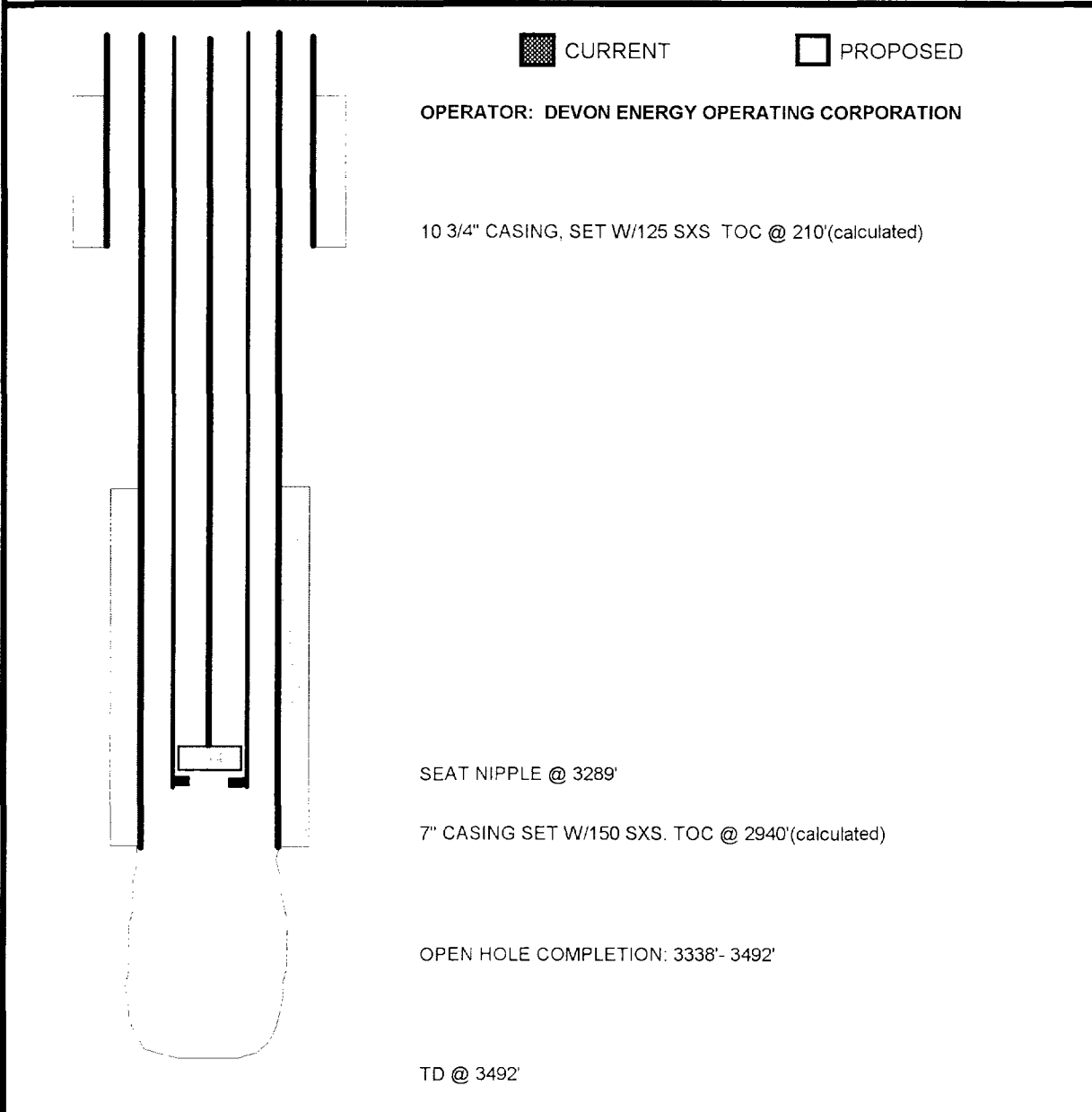
(5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "A" #2	FIELD: GRAYBURG-JACKSON
LOCATION: 660'FNL & 1980'FEL, SEC 4-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3955'; KB=UNK	SPUD DATE: 02/05/48 COMP DATE: 04/01/48
API#: 30-015-05061	PREPARED BY: C.H. CARLETON DATE: 02/25/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING	0' - 649'	10 3/4"	45#			
CASING	0' - 3338'	7"	23,24#			
CASING						
TUBING	0' - 3289'	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.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: H.E. WEST "A" #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 4-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3955'; KB=UNK			SPUD DATE: 02/05/48		COMP DATE: 04/01/48	
API#: 30-015-05061		PREPARED BY: C.H. CARLETON			DATE: 02/25/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 649'	10 3/4"	45#			
CASING:	0' - 3338'	7"	23,24#			
CASING:	0' - 4150'	4 1/2"	11.6#	J-55	LT&C	6 1/4"
TUBING:	0' - 3050'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

☐ CURRENT
 ☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

10 3/4" CASING, SET W/125 SXS. TOC @ 210'(calculated)

INJECTION INTERVAL: 3112'- 4047'

BAKER AD-1 PACKER @ 3050'

7" CASING SET W/150 SXS. TOC @ 2940'(calculated)

PERFORATIONS: 3112'- 4047' (OA)

4 1/2" CASING, TOC @ SURFACE
TD @ 4150'

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 "A" #7
 660'FNL & 660'FEL
 Section 4-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 @ 760'. Set with 100 sxs. TOC @ 500'(calculated)
 Hole Size = 11"(estimated)
- Production Casing:
 5 1/2" 15.5# J-55 @ 3233'. Set with 200 sxs. TOC @ 2470'(calculated)
 Hole Size = 7 7/8"(estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3100'.
- (4) 5 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) Water injection will be through perforations 3150'- 3233'(OA), and open hole 3233'- 4033'.
 The injection interval is 3150'- 4033'.
- (3) This well was originally drilled and completed as a Grayburg/San Andres oil well, but was later converted to a water injection well injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3150'- 4033' 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" #7			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FEL, SEC 4-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3967'; KB=UNK			SPUD DATE: 05/08/55		COMP DATE: 06/21/55	
API#: 30-015-05066		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 760'	8 5/8"	24#	J-55		
CASING:	0' - 3233'	5 1/2"	15.5#	J-55		
CASING:						
TUBING:	0' - UNK	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

The diagram shows a wellbore with two main columns. The left column represents casing, with a section from 0' to 760' and another from 0' to 3233'. The right column represents tubing, starting from 0' and extending to an unknown depth (UNK). A packer is indicated at the UNK depth. The completion is an open hole from 3233' to 3700', with a sand pack (PBTD) at 3700' and a total depth (TD) at 3883'.

☒ CURRENT
☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ 500'(calculated)

NOTE: EXACT DEPTH OF TUBING AND PACKER ARE UNKNOWN

PACKER @ UNK

5 1/2" CASING, SET W/200 SXS. TOC @ 2470'(calculated)

OPEN HOLE COMPLETION: 3233'- 3700'

PBTD @ 3700' (SAND)

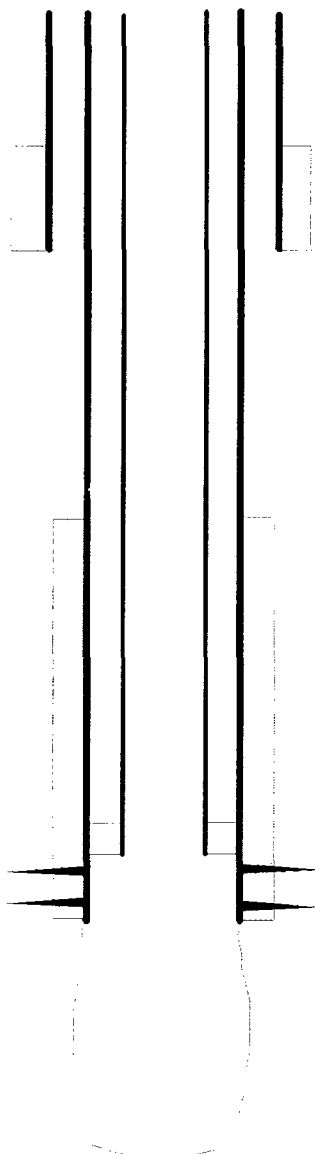
TD @ 3883'

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" #7				FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FNL & 660'FEL, SEC 4-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3967', KB=UNK				SPUD DATE: 05/08/55		COMP DATE: 06/21/55
API#: 30-015-05066		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 760'	8 5/8"	24#	J-55		
CASING:	0' - 3233'	5 1/2"	15.5#	J-55		
CASING:						
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

☐ CURRENT PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/100 SXS. TOC @ 500'(calculated)

INJECTION INTERVAL: 3150'- 4033'

BAKER AD-1 PACKER @ 3100'
PERFORATIONS: 3150'- 3233' (OA)
5 1/2" CASING, SET W/200 SXS. TOC @ 2470'(calculated)

OPEN HOLE: 3233'- 4033'

TD @ 4033'

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

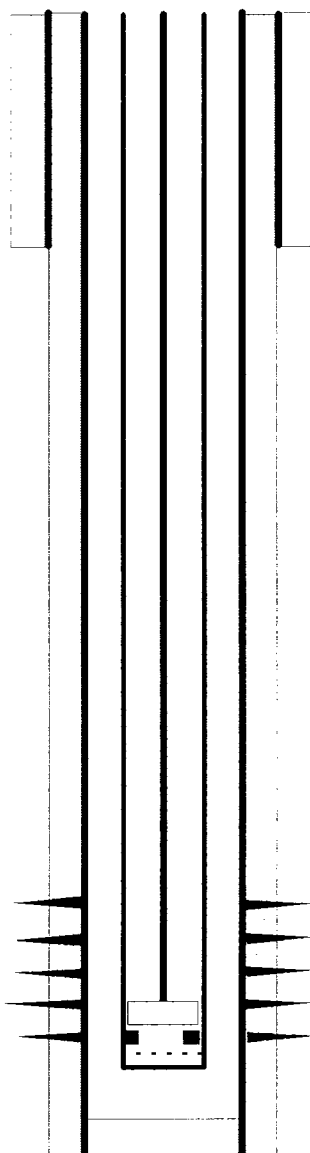
III Well Data:

- A.
- (1) H.E. West "A" #26
650'FNL & 870'FWL
Section 3-T17S-R31E
Eddy County, NM
 - (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 648'. Set with 380 sxs. TOC @ surface
Hole Size = 12 1/4"
 - Production Casing:
5 1/2" 15.5# J-55 LT&C @ 4214'. Set with 1025 sxs. TOC @ surface
Hole Size = 7 7/8"
 - (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3150'.
 - (4) 5 1/2" Baker AD-1 tension packer set at 3150'.
- B.
- (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
 - (2) Water injection will be through perforations 3187'- 4057'(OA). **The injection interval is 3187'- 4057'.**
 - (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 3187'- 4057' 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" #26			FIELD: GRAYBURG-JACKSON			
LOCATION: 650'FNL & 870'FWL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3967'; KB=UNK			SPUD DATE: 12/03/95		COMP DATE: 12/23/95	
API#: 30-015-28321		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 648'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4214'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 4131'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

PERFORATIONS: 3329' - 4057' (OA) - 46 HOLES

SEAT NIPPLE @ 4095'

PBTD @ 4168'

5 1/2" CASING SET W/1025 SXS. TOC @ SURFACE

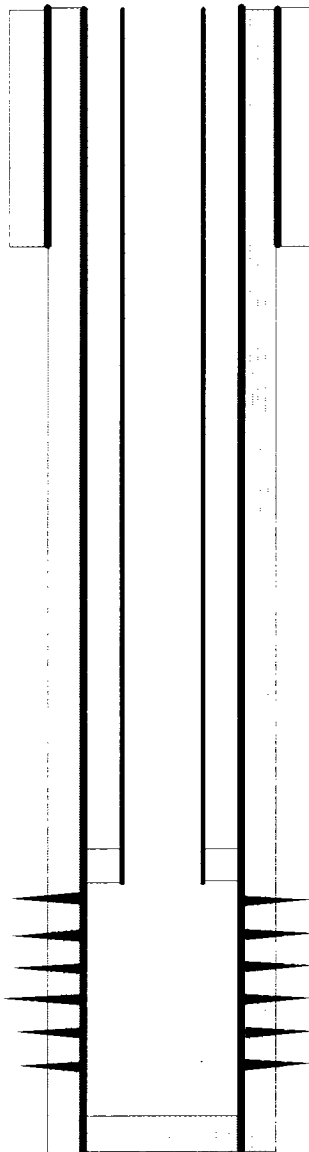
TD @ 4215'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "A" #26		FIELD: GRAYBURG-JACKSON	
LOCATION: 650'FNL & 870'FWL, SEC 3-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3967'; KB=UNK		SPUD DATE: 12/03/95	COMP DATE: 12/23/95
API#: 30-015-28321	PREPARED BY: C.H. CARLETON		DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 648'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4214'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3150'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

INJECTION INTERVAL: 3187' - 4057'

BAKER AD-1 PACKER @ 3150'

PERFORATIONS: 3187' - 4057' (OA)

PBTD @ 4168'

5 1/2" CASING SET W/1025 SXS. TOC @ SURFACE

TD @ 4215'

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

III Well Data:

A. (1) H.E. West "B" #3
660'FNL & 1980'FWL
Section 4-T17S-R31E
Eddy County, NM

(2) Surface Casing:
10 3/4" 32.75# @ 715'. Set with 100 sxs. TOC @ 360'(calculated)
Hole Size = 12 1/4"(estimated)

Production Casing:
7" 24# @ 3291'. Set with 100 sxs. TOC @ 3040'(calculated)
Hole Size = 9 7/8"(estimated)

Liner:
4 1/2" 9.5# @ 3227'- 3799'. Set with 755 sxs. TOC @ liner top.
Hole Size = 6 1/4"(estimated)

(3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3000'.

(4) 7" Baker Lock-Set tension packer set at 3000'.

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

(2) Water injection will be through perforations 3064'- 3799'(OA), and open hole 3799'- 3950'.
The injection interval is 3064'- 3950'.

NOTE: A cement bond log will be run prior to perforating the 7" casing to insure that the height of cement behind casing is 100' above proposed top perforation(\pm 3064'). Should cement top be less than 2964', the 7" casing will be perforated and cement squeezed.

(3) This well was originally drilled and completed as a Grayburg/San Andres oil well, but was later converted to a water injection well injecting into the Grayburg/San Andres formation.

(4) Additional perforations may be added in the 3064'- 3950' interval.

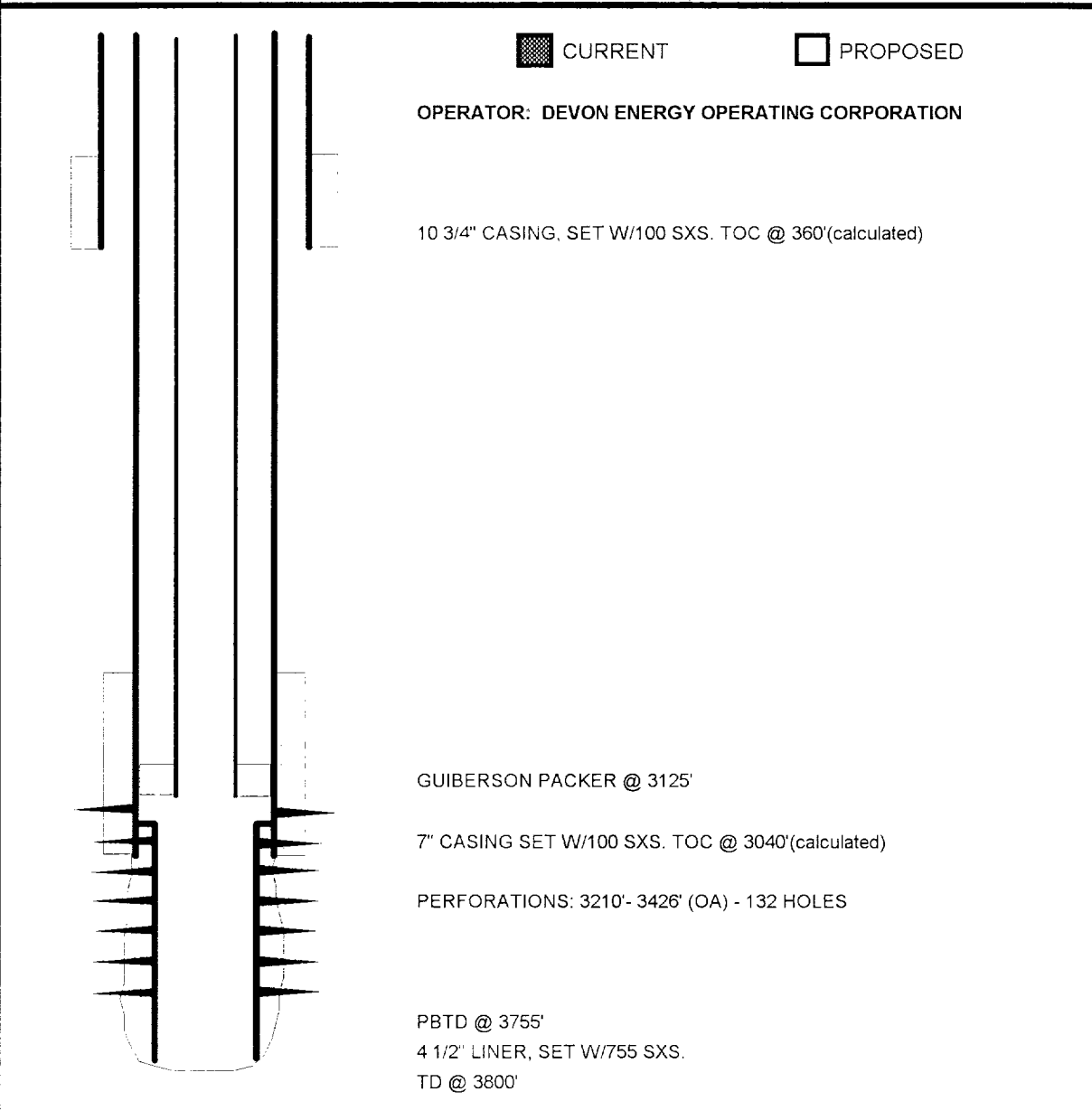
(5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #3	FIELD: GRAYBURG-JACKSON
LOCATION: 660'FNL & 1980'FWL, SEC 4-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3950'; KB=UNK	SPUD DATE: 02/26/46 COMP DATE: 05/16/46
API#: 30-015-05068	PREPARED BY: C.H. CARLETON DATE: 02/25/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 714'	10 3/4"	32.75#			
CASING:	0' - 3291'	7"	24#			
CASING:	3227' - 3799'	4 1/2"	9.5#			
TUBING:	0' - 3125'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

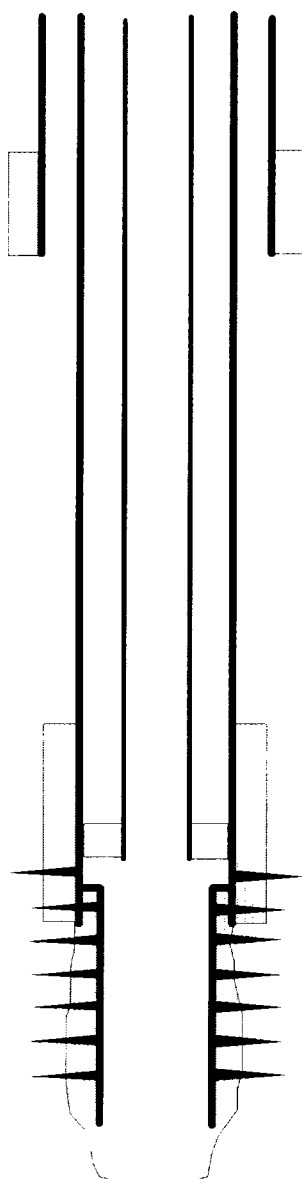


NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FWL, SEC 4-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3950'; KB=UNK			SPUD DATE: 02/26/46		COMP DATE: 05/16/46	
API#: 30-015-05068		PREPARED BY: C.H. CARLETON			DATE: 02/25/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 714'	10 3/4"	32.75#			
CASING:	0' - 3291'	7"	24#			
CASING:	3227' - 3799'	4 1/2"	9.5#			
TUBING:	0' - 3000'	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 @ 360'(calculated)

NOTE: Cement Bond Log will be run to determine height of cement behind 7" casing prior to perforating. Should height of cement be less than 2964', the 7" casing will be perforated and squeezed to insure that the cement top is 100' above the top perforation within the injection interval.

INJECTION INTERVAL: 3064'- 3950'

BAKER LOCK-SET PACKER @ 3000'

7" CASING SET W/100 SXS. TOC @ 3040'(calculated)

PERFORATIONS: 3064'- 3799' (OA)

4 1/2" LINER, SET W/755 SXS.

OPEN HOLE: 3799'- 3950'

TD @ 3950'

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

III Well Data:

A. (1) H.E. West "B" #25
660'FSL & 660'FEL
Section 3-T17S-R31E
Eddy County, NM

(2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 858'. Set with 125 sxs. TOC @ 600'(calculated)
Hole Size = 11"(estimated)

Production Casing:
4 1/2" 9.5# J-55 ST&C @ 3675'. Set with 125 sxs. TOC @ 3232'(Temp Survey)
Hole Size = 7 7/8"(estimated)

(3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3150'.

(4) 4 1/2" Baker AD-1 tension packer set at 3150'.

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

(2) Water injection will be through perforations 3222'- 3675'(OA), and open hole 3675'- 4125'.
The injection interval is 3222'- 4125'.

NOTE: A cement bond log will be run prior to perforating the 4 1/2" casing to insure that the height of cement behind casing is 100' above proposed top perforation(\pm 3222'). Should cement top be less than 3100', the 4 1/2" casing will be perforated and cement squeezed.

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

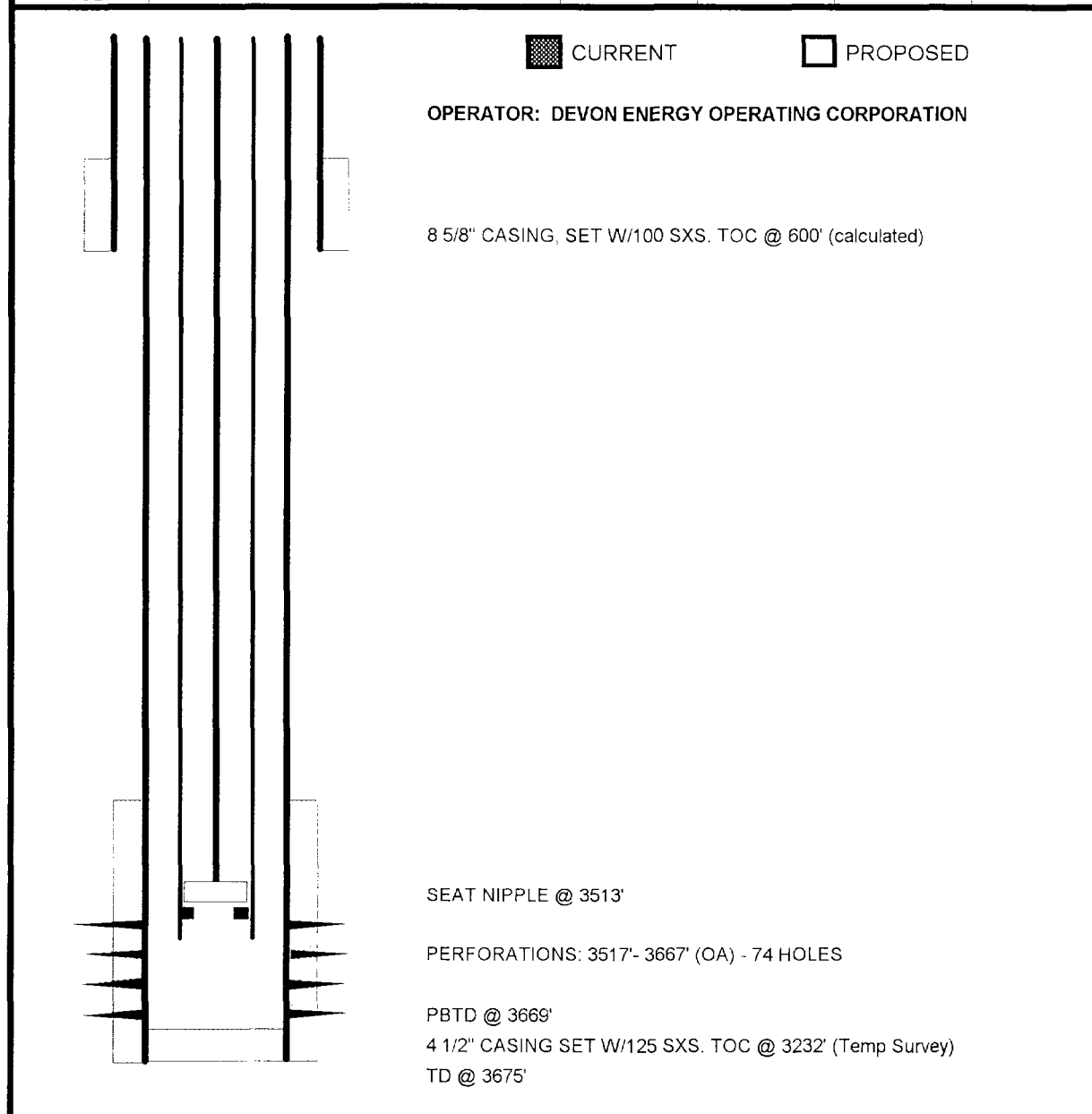
(4) Additional perforations may be added in the 3222'- 4125' interval.

(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

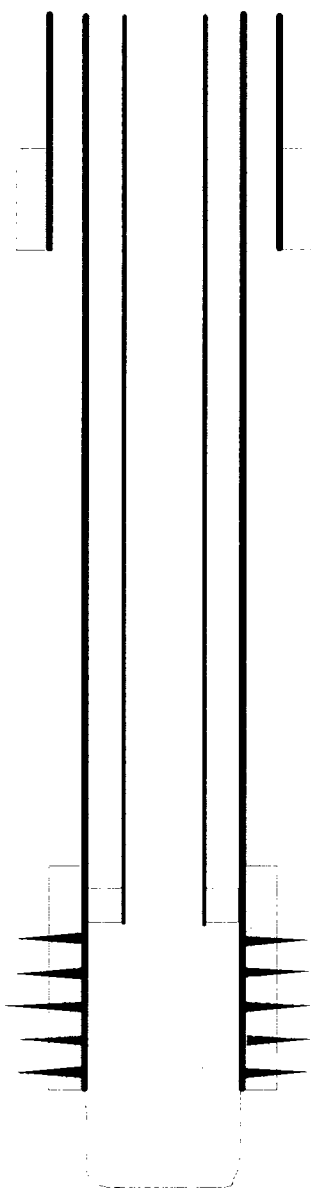
WELL NAME: H.E. WEST "B" #25				FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 660'FWL, SEC 3-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3953'; KB=UNK				SPUD DATE: 11/18/60		COMP DATE: 01/09/61
API#: 30-015-05059		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 858'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3675'	4 1/2"	9.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 3547'	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" #25			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FWL, SEC 3-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3953'; KB=UNK			SPUD DATE: 11/18/60		COMP DATE: 01/09/61	
API#: 30-015-05059		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 858'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3675'	4 1/2"	9.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 3150'	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 @ 600' (calculated)

NOTE: Cement Bond Log will be run to determine height of cement behind 4 1/2" casing prior to perforating. Should height of cement be less than 3100', the 4 1/2" casing will be perforated and squeezed to insure that the cement top is 100' above the top perforation within the injection interval.

INJECTION INTERVAL: 3222' - 4125'

BAKER AD-1 PACKER @ 3150'

PERFORATIONS: 3222' - 3675' (OA)

4 1/2" CASING SET W/125 SXS. TOC @ 3232' (Temp Survey)

OPEN HOLE: 3675' - 4125'

TD @ 4125'

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:**

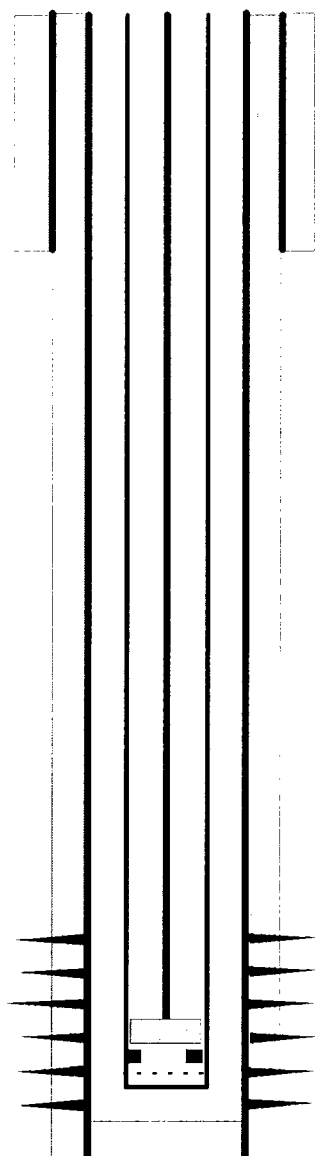
- A. (1) H.E. West "B" #41
 660'FSL & 2020'FWL
 Section 10-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 602'. Set with 400 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 17# J-55 LT&C @ 4008'. Set with 1250 sxs. TOC @ surface
 Hole Size = 7 7/8"
- (3) 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) Water injection will be through perforations 3154'- 4008'(OA). **The injection interval is 3154'- 4008'.**
- (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 3154'- 4008' 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" #41	FIELD: GRAYBURG-JACKSON
LOCATION: 660'FSL & 2020'FWL, SEC 10-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3897'; KB=UNK	SPUD DATE: 01/02/89 COMP DATE: 02/15/89
API#: 30-015-26033	PREPARED BY: C.H. CARLETON DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 602'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4008'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3902'	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: 3301' - 3943' (OA) - 169 HOLES

SEAT NIPPLE @ 3865'

PBTD @ 3947'

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE

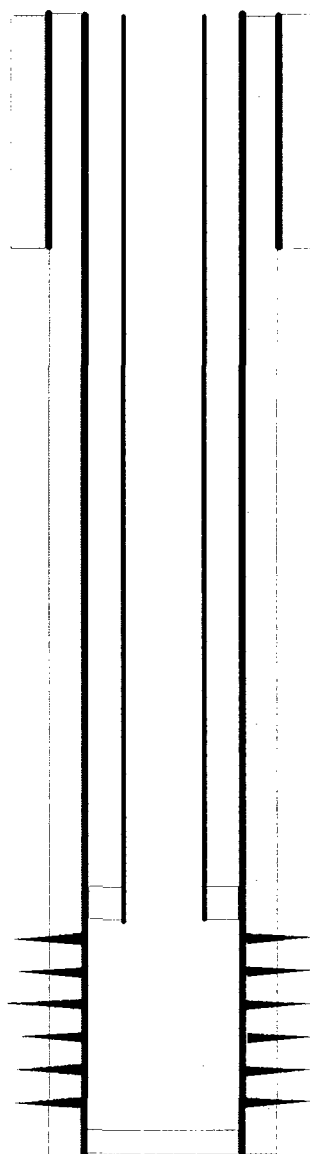
TD @ 4008'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #41		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FSL & 2020'FWL, SEC 10-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3897'; KB=UNK		SPUD DATE: 01/02/89	COMP DATE: 02/15/89
API#: 30-015-26033	PREPARED BY: C.H. CARLETON		DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 602'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4008'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

INJECTION INTERVAL: 3154' - 4008'

BAKER AD-1 PACKER @ 3100'

PERFORATIONS: 3154' - 4008' (OA)

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE
TD @ 4008'

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

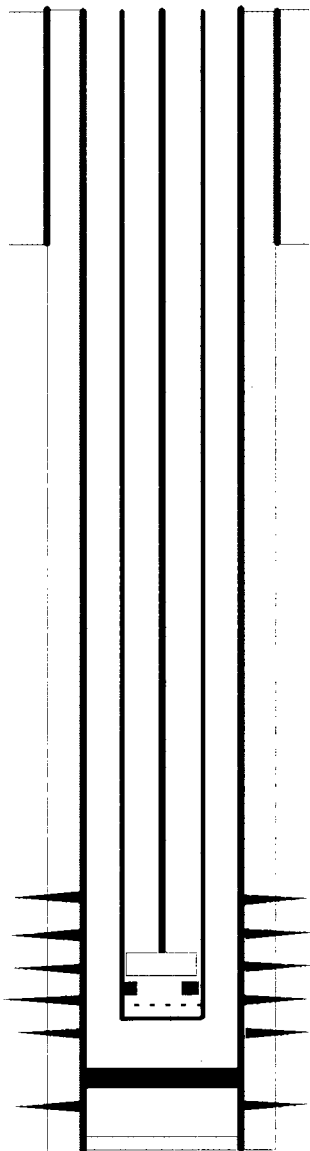
III Well Data:

- A. (1) H.E. West "B" #42
2105'FNL & 660'FEL
Section 10-T17S-R31E
Eddy County, NM
- (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 641'. Set with 400 sxs. TOC @ surface
Hole Size = 12 1/4"
- Production Casing:
5 1/2" 17# J-55 LT&C @ 3985'. Set with 1250 sxs. TOC @ surface
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3150'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3150'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3216'- 4004'(OA). **The injection interval is 3216'- 4004'.**
- (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 3216'- 4004' 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" #42			FIELD: GRAYBURG-JACKSON			
LOCATION: 2105'FNL & 660'FEL, SEC 10-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3932'; KB=3943'			SPUD DATE: 01/11/89		COMP DATE: 02/26/89	
API#: 30-015-26044		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 641'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3985'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3658'	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: 3398'- 3791' (OA) - 184 HOLES

SEAT NIPPLE @ 3658'

CIBP @ 3800'

PERFORATIONS: 3808'- 3923' (OA) - 50 HOLES

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE

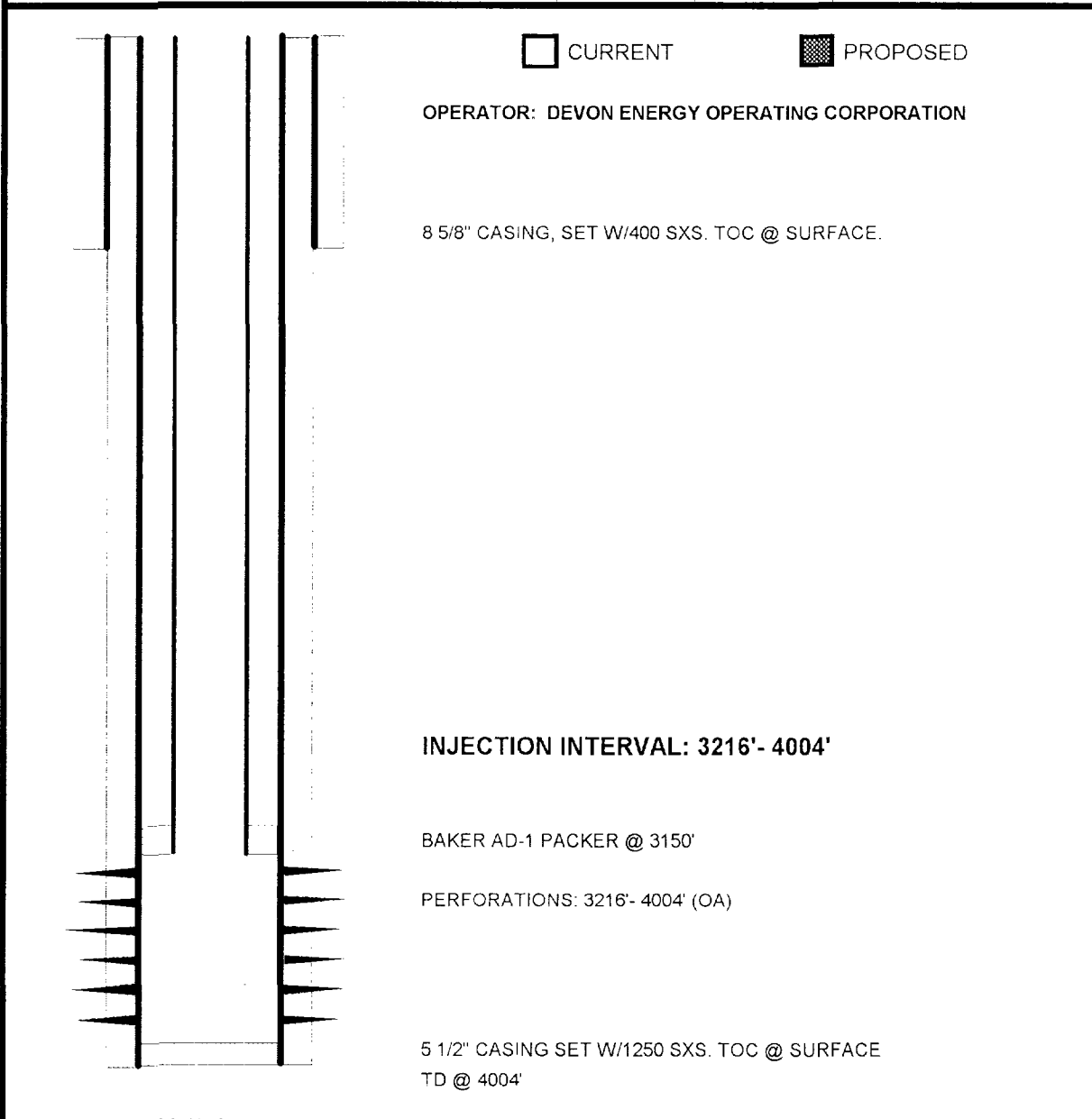
TD @ 4004'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #42	FIELD: GRAYBURG-JACKSON
LOCATION: 2105'FNL & 660'FEL, SEC 10-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3932', KB=3943'	SPUD DATE: 01/11/89 COMP DATE: 02/26/89
API#: 30-015-26044	PREPARED BY: C.H. CARLETON DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 641'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3985'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3150'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



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

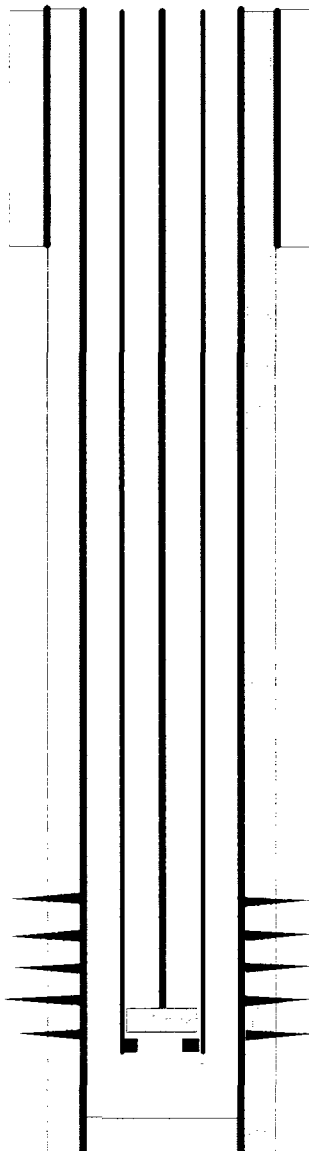
III **Well Data:**

- A.
- (1) H.E. West "B" #43
660'FSL & 760'FWL
Section 9-T17S-R31E
Eddy County, NM
 - (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 417'. Set with 512 sxs. TOC @ surface
Hole Size = 12 1/4"
 - Production Casing:
5 1/2" 17# J-55 LT&C @ 3831'. Set with 1250 sxs. TOC @ surface
Hole Size = 7 7/8"
 - (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) Water injection will be through perforations 3141'- 3831'(OA). **The injection interval is 3141'- 3831'.**
 - (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 3141'- 3831' 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" #43			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 760'FWL, SEC 9-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3814'; KB=UNK			SPUD DATE: 01/20/89		COMP DATE: 03/04/89	
API#: 30-015-26049		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 417'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3831'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3684'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/512 SXS. TOC @ SURFACE.

PERFORATIONS: 3141'- 3673' (OA) - 183 HOLES

SEAT NIPPLE @ 3684'

PBTD @ 3779'

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE

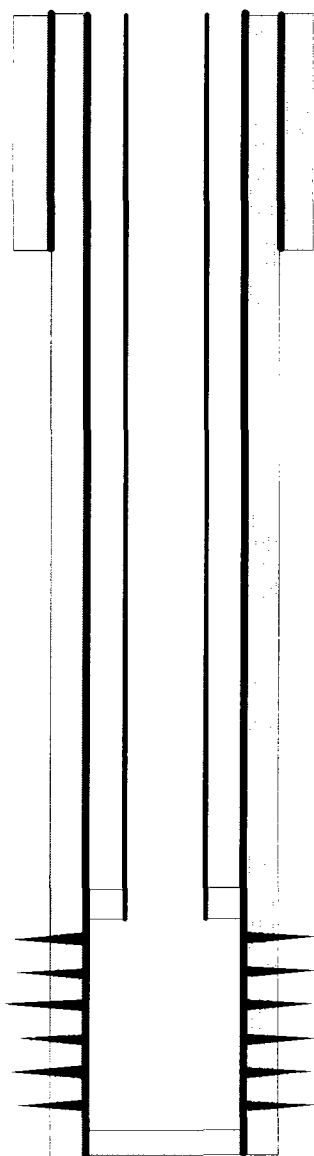
TD @ 3831'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #43			FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 760'FWL, SEC 9-T17S-R31E			COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3814'; KB=UNK			SPUD DATE: 01/20/89	COMP DATE: 03/04/89	
API#: 30-015-26049	PREPARED BY: C.H. CARLETON			DATE: 02/24/97	

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 417'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3831'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/512 SXS. TOC @ SURFACE.

INJECTION INTERVAL: 3141'- 3831'

BAKER AD-1 PACKER @ 3100'

PERFORATIONS: 3141'- 3831' (OA)

5 1/2" CASING SET W/1250 SXS. TOC @ SURFACE
TD @ 3831'

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

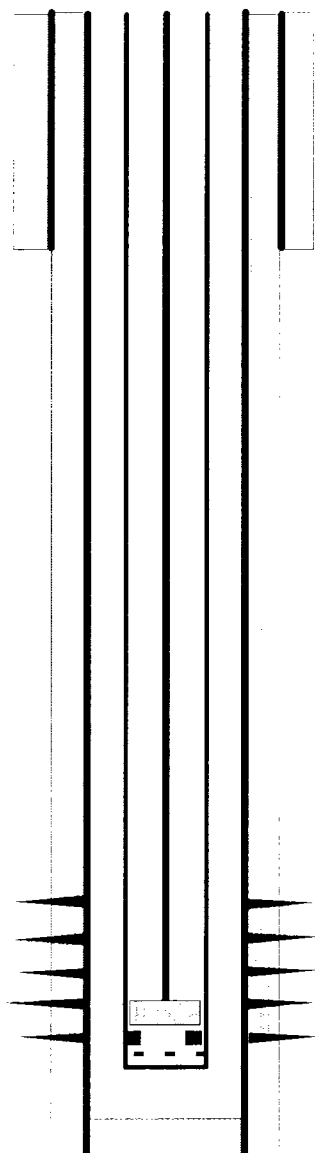
III **Well Data:**

- A. (1) H.E. West "B" #45
 660'FSL & 1980'FWL
 Section 9-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 473'. Set with 300 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 17# J-55 LT&C @ 3855'. Set with 1000 sxs. TOC @ surface
 Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3150'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3150'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3190'- 3855'(OA). **The injection interval is 3190'- 3855'.**
- (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 3190'- 3855' 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" #45			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FWL, SEC 9-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3848'; KB=UNK			SPUD DATE: 05/15/89		COMP DATE: 05/09/89	
API#: 30-015-26099		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 473'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3855'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3792'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

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

PERFORATIONS: 3190'- 3728' (OA) - 175 HOLES

SEAT NIPPLE @ 3755'

PBTD @ 3807'

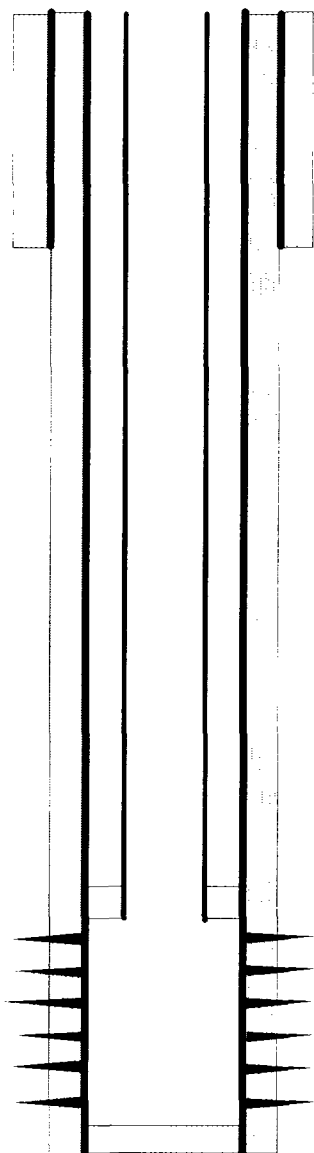
5 1/2" CASING SET W/1000 SXS. TOC @ SURFACE

TD @ 3855'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #45			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FWL, SEC 9-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3848'; KB=UNK			SPUD DATE: 05/15/89		COMP DATE: 05/09/89	
API#: 30-015-26099		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 473'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3855'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3150'	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: 3190'- 3855'

BAKER AD-1 PACKER @ 3150'

PERFORATIONS: 3190'- 3855' (OA)

5 1/2" CASING SET W/1000 SXS. TOC @ SURFACE
TD @ 3855'

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

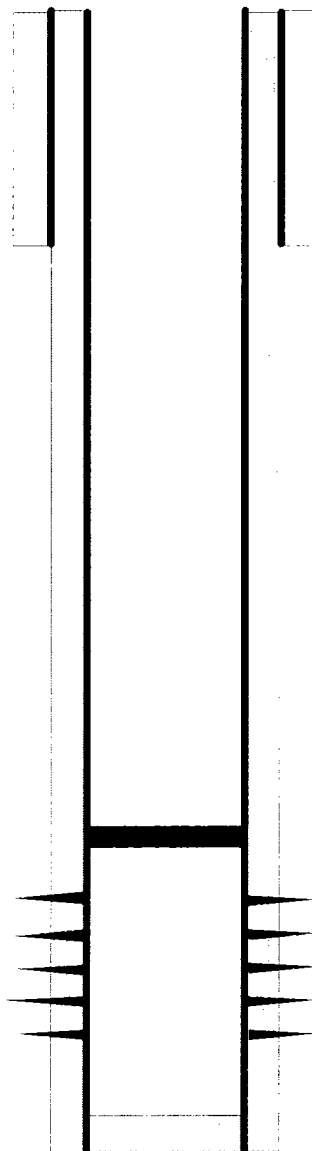
III **Well Data:**

- A. (1) H.E. West "B" #72
 660'FSL & 735'FEL
 Section 9-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 520'. Set with 425 sxs. TOC @ surface
 Hole Size = 12 1/4"
- Production Casing:
 5 1/2" 17# J-55 LT&C @ 4159'. Set with 2000 sxs. TOC @ surface
 Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3050'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3050'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3122'- 4160'(OA). **The injection interval is 3122'- 4160'.**
- (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 3122'- 4160' 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" #72			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 735'FEL, SEC 9-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3873'; KB=UNK			SPUD DATE: 01/03/95		COMP DATE: 03/16/95	
API#: 30-015-28131		PREPARED BY: C.H. CARLETON				DATE: 02/24/97
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 520'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4159'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/425 SXS. TOC @ SURFACE.

NOTE: WELLBORE FILLED WITH PACKER FLUID.

CIBP @ 3140'

PERFORATIONS: 3247'- 4008' (OA) - 50 HOLES

PBTD @ 4112'

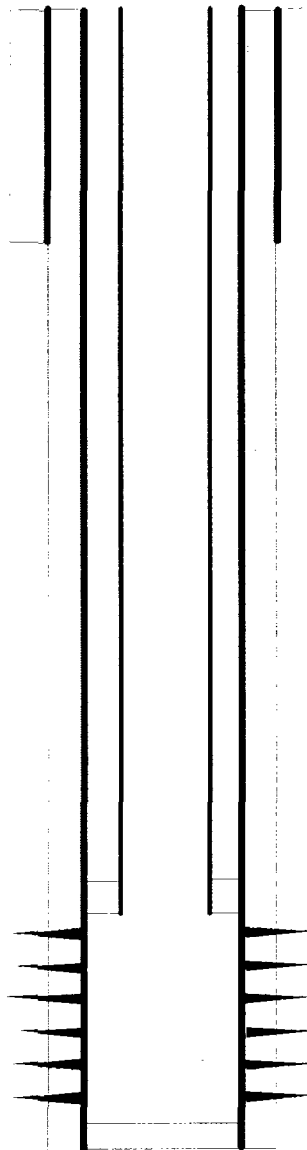
5 1/2" CASING SET W/2000 SXS. TOC @ SURFACE

TD @ 4160'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #72				FIELD: GRAYBURG-JACKSON		
LOCATION: 660°FSL & 735°FEL, SEC 9-T17S-R31E				COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3873'; KB=UNK				SPUD DATE: 01/03/95	COMP DATE: 03/16/95	
API#: 30-015-28131		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 520'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4159'	5 1/2"	17#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3050'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/425 SXS. TOC @ SURFACE.

INJECTION INTERVAL: 3122'- 4160'

BAKER AD-1 PACKER @ 3050'

PERFORATIONS: 3122'- 4160' (OA)

5 1/2" CASING SET W/2000 SXS TOC @ SURFACE
TD @ 4160'

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

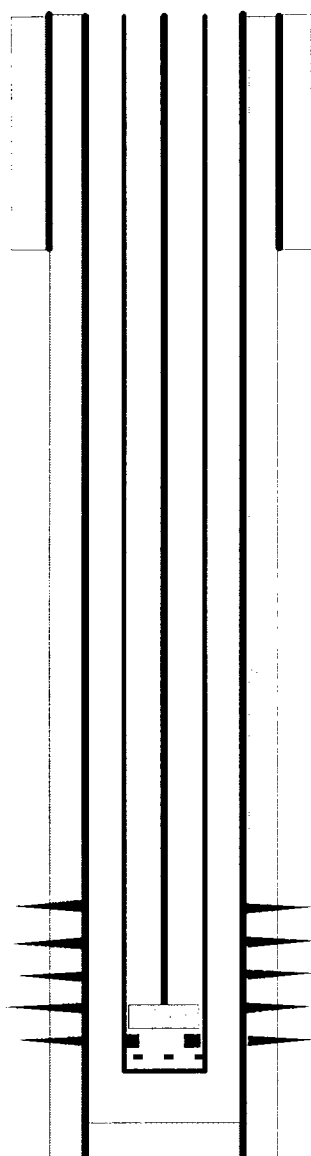
III Well Data:

- A.
- (1) H.E. West "B" #74
686'FNL & 654'FWL
Section 4-T17S-R31E
Eddy County, NM
 - (2) Surface Casing:
8 5/8" 24# J-55 ST&C @ 521'. Set with 390 sxs. TOC @ surface
Hole Size = 12 1/4"
 - Production Casing:
5 1/2" 17# J-55 LT&C @ 4074'. Set with 1050 sxs. TOC @ surface
Hole Size = 7 7/8"
 - (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3000'.
 - (4) 5 1/2" Baker AD-1 tension packer set at 3000'.
- B.
- (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
 - (2) Water injection will be through perforations 3030'- 4075'(OA). **The injection interval is 3030'- 4075'.**
 - (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 3030'- 4075' 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" #74				FIELD: GRAYBURG-JACKSON		
LOCATION: 686'FNL & 654'FWL, SEC 4-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3929'; KB=UNK				SPUD DATE: 10/11/95		COMP DATE: 12/20/95
API#: 30-015-28264		PREPARED BY: C.H. CARLETON			DATE: 02/24/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 521'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4074'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3971'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/390 SXS. TOC @ SURFACE.

PERFORATIONS: 3186'- 3910' (OA) - 49 HOLES

SEAT NIPPLE @ 3935'

PBTD @ 4028'

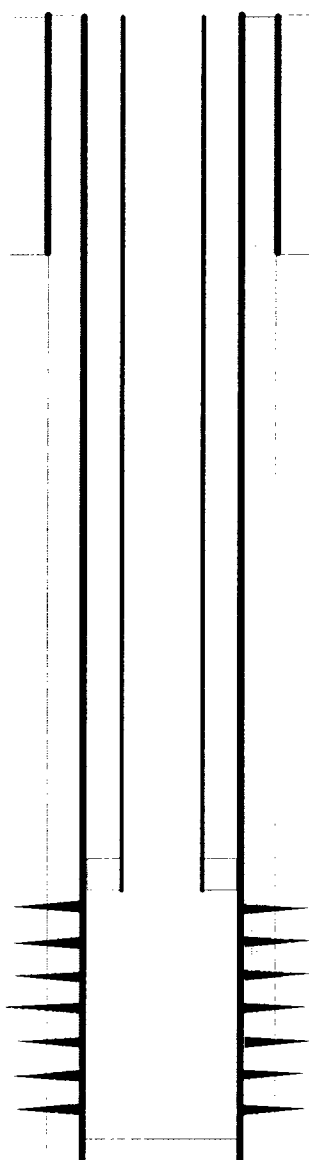
5 1/2" CASING SET W/1050 SXS. TOC @ SURFACE
TD @ 4075'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: H.E. WEST "B" #74	FIELD: GRAYBURG-JACKSON
LOCATION: 686'FNL & 654'FWL, SEC 4-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3929'; KB=UNK	SPUD DATE: 10/11/95 COMP DATE: 12/20/95
API#: 30-015-28264	PREPARED BY: C.H. CARLETON DATE: 02/24/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 521'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4074'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3000'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING. SET W/390 SXS. TOC @ SURFACE.

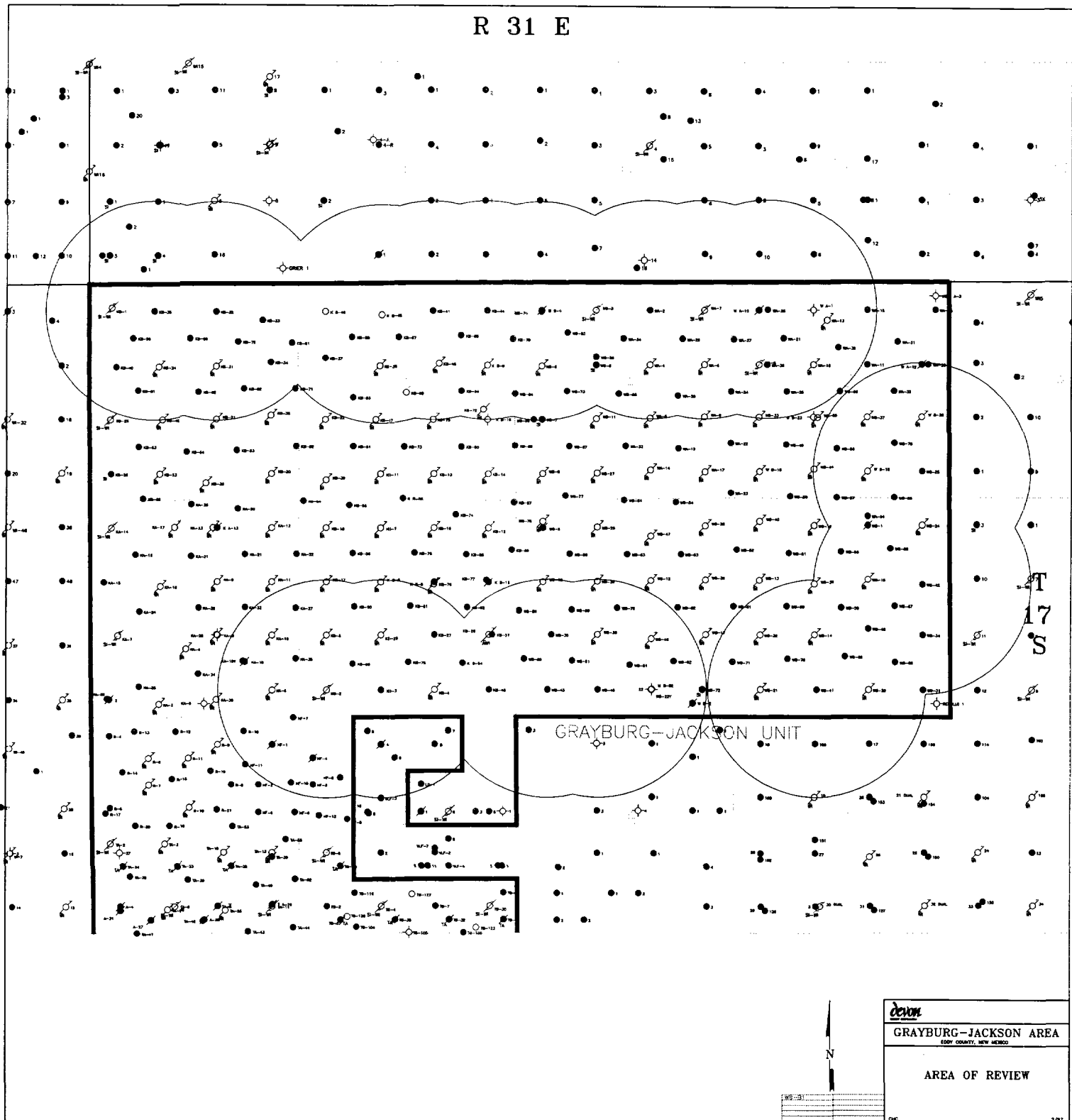
INJECTION INTERVAL: 3030' - 4075'

BAKER AD-1 PACKER @ 3000'

PERFORATIONS: 3030' - 4075' (OA)

5 1/2" CASING SET W/1050 SXS. TOC @ SURFACE
TD @ 4075'

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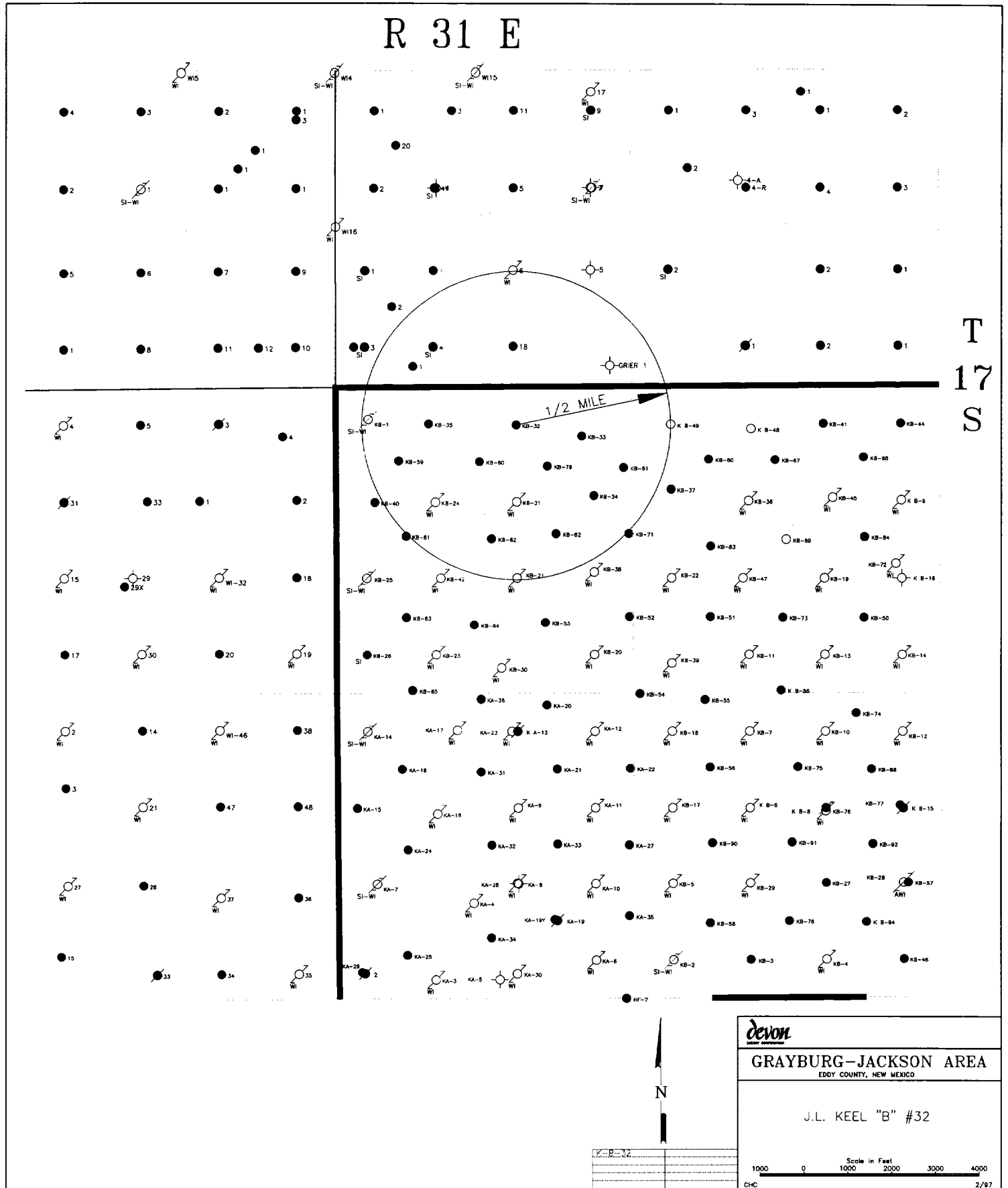


J.L. KEEL "B" #3

CHC 2/9

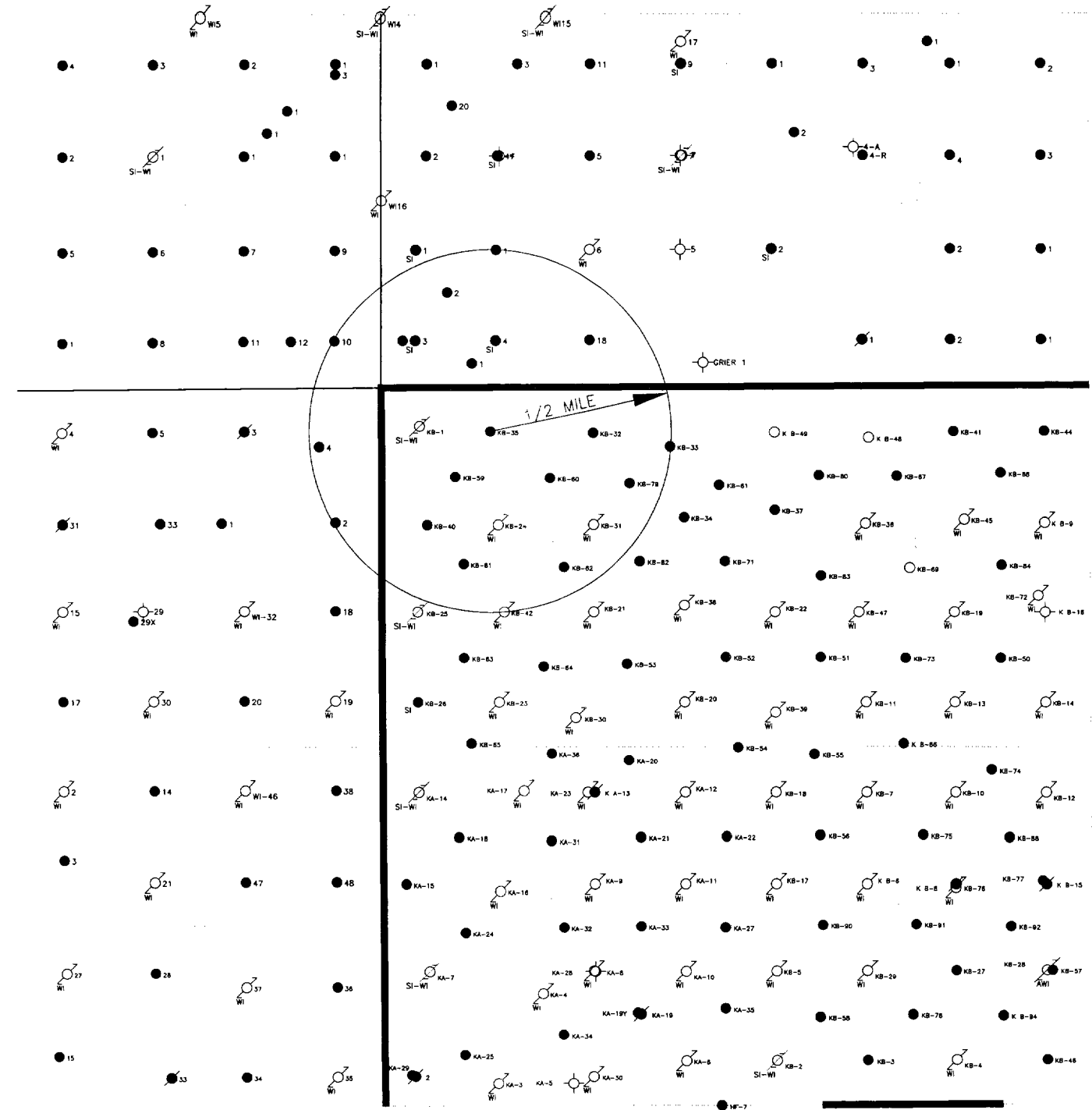
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devon

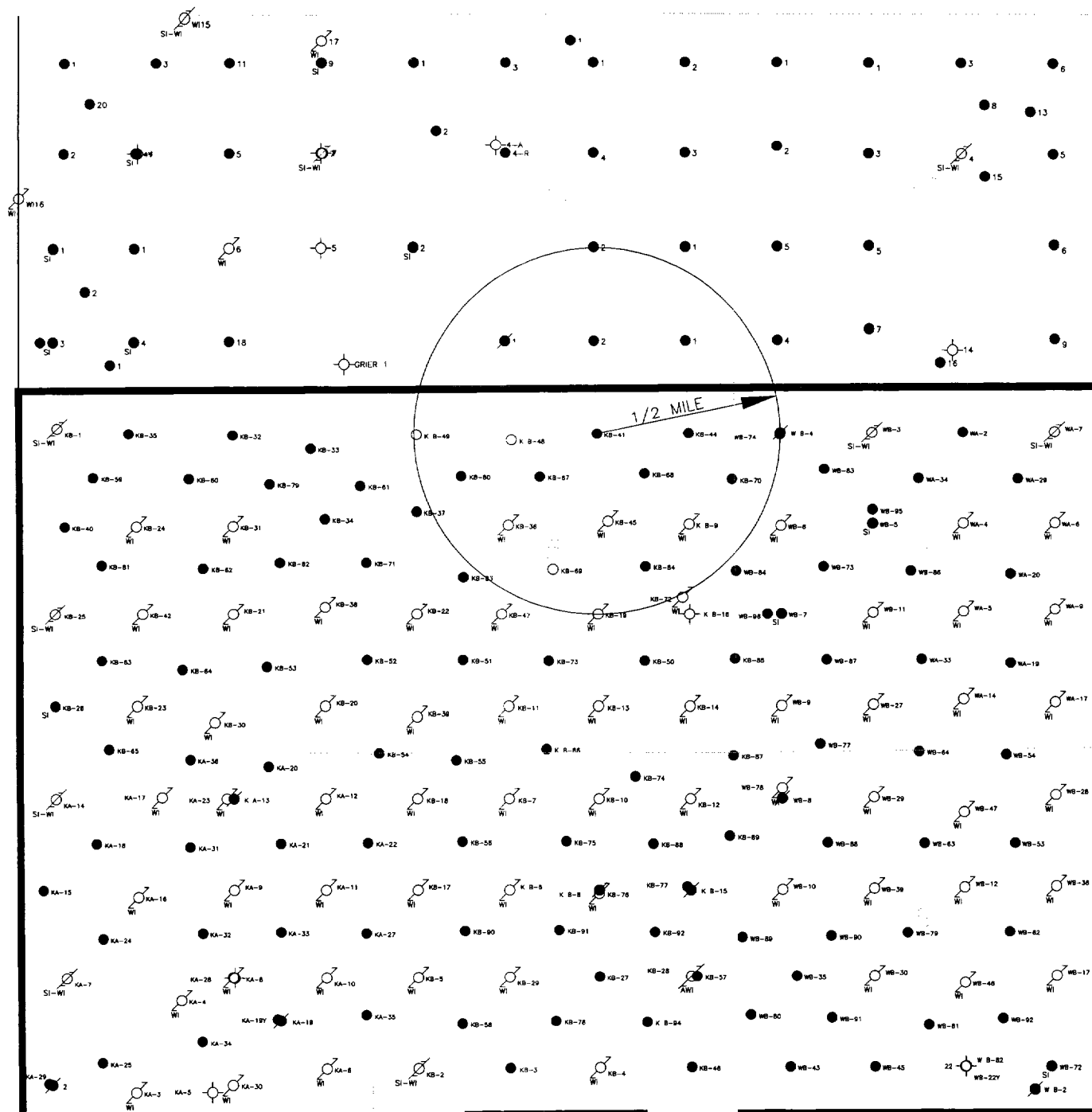
GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #35

Scale in Feet
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CHC 2/97

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GRAYBURG-JACKSON UNIT

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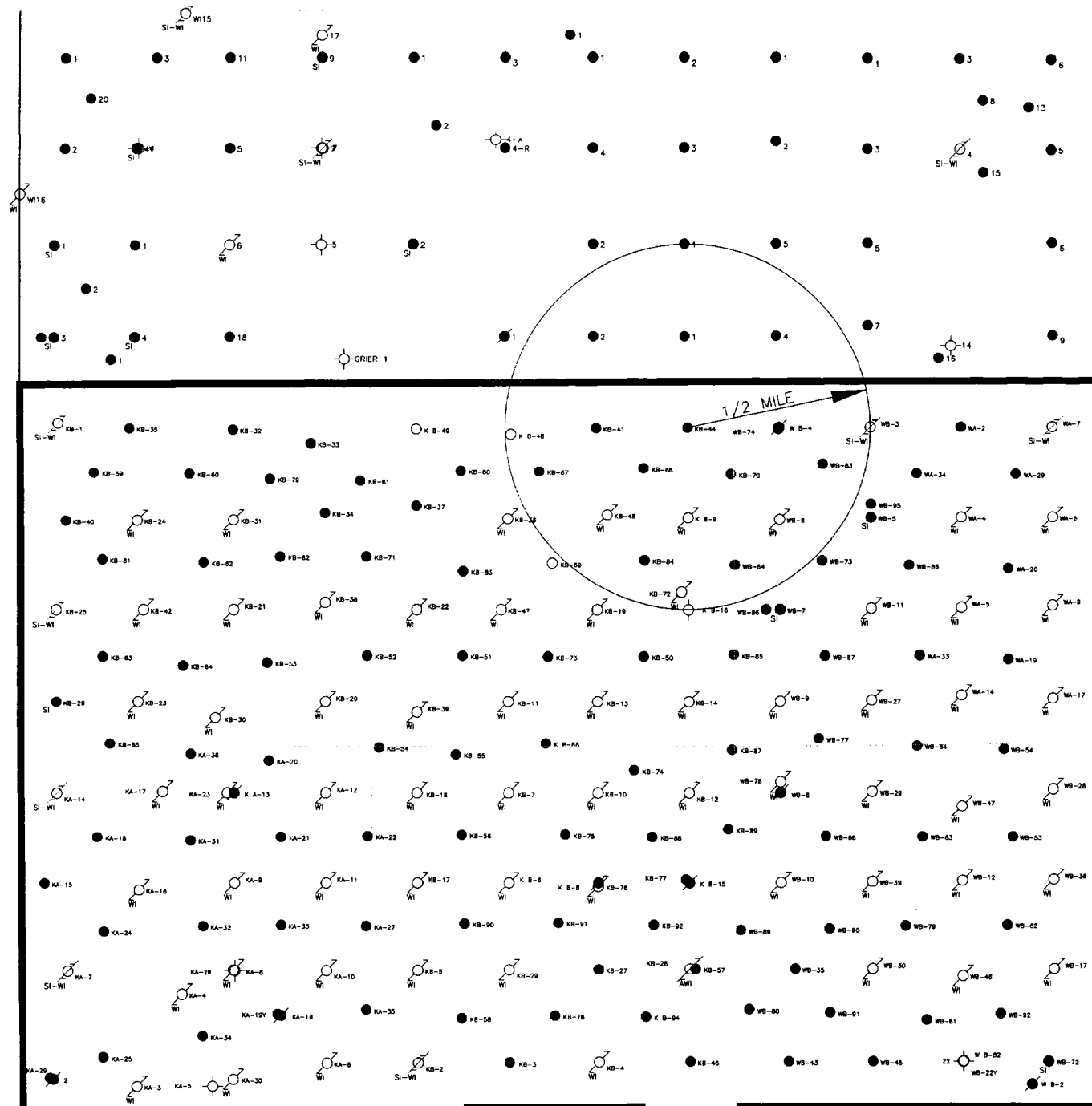
GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #41

Scale in Feet
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GRAYBURG-JACKSON UNIT

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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #44

Scale in Feet
1000 0 1000 2000 3000 4000

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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

J.L. KEEL "B" #48

Scale in Feet

Scale in Feet

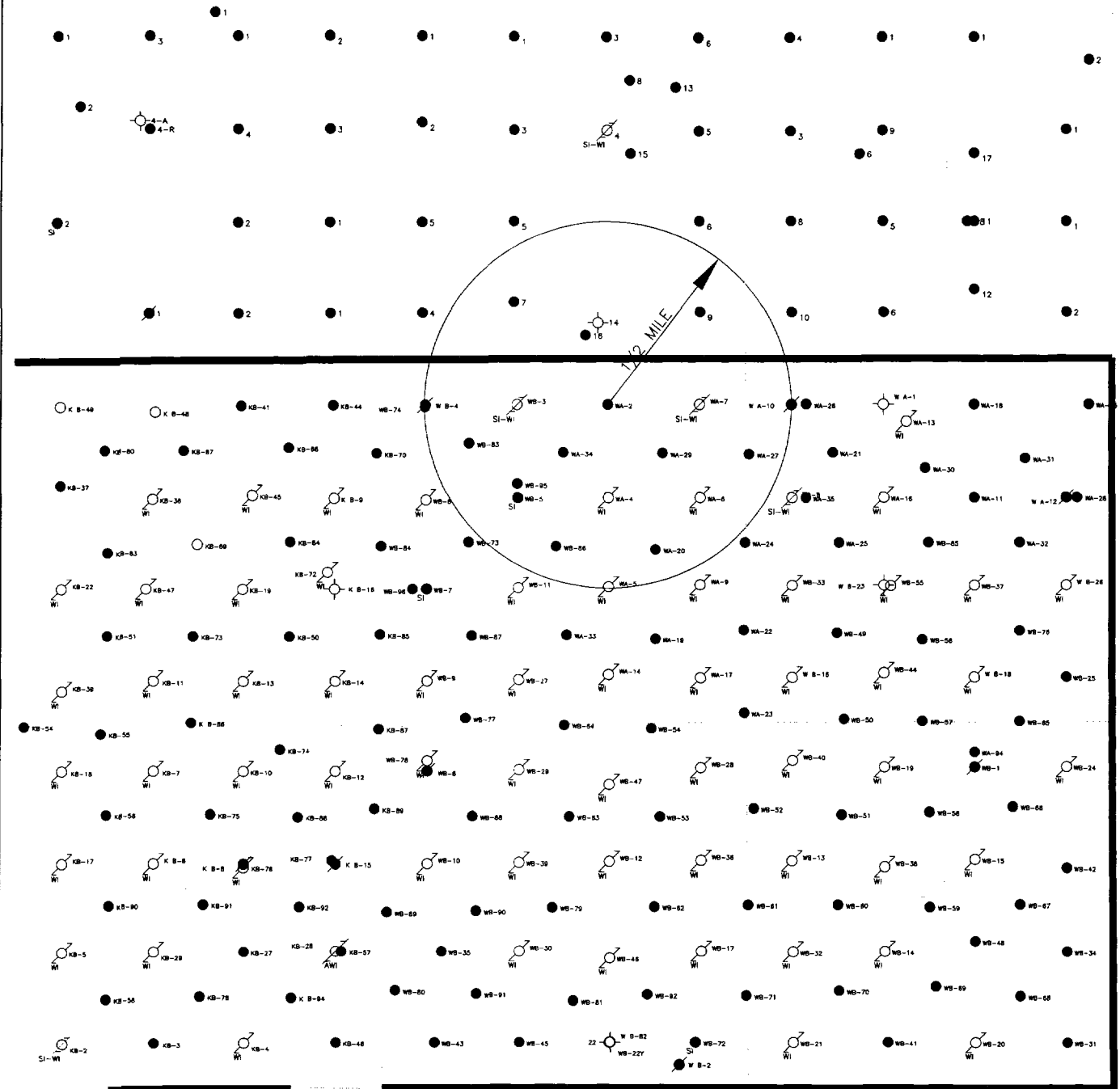
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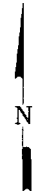
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GRAYBURG-JACKSON UNIT

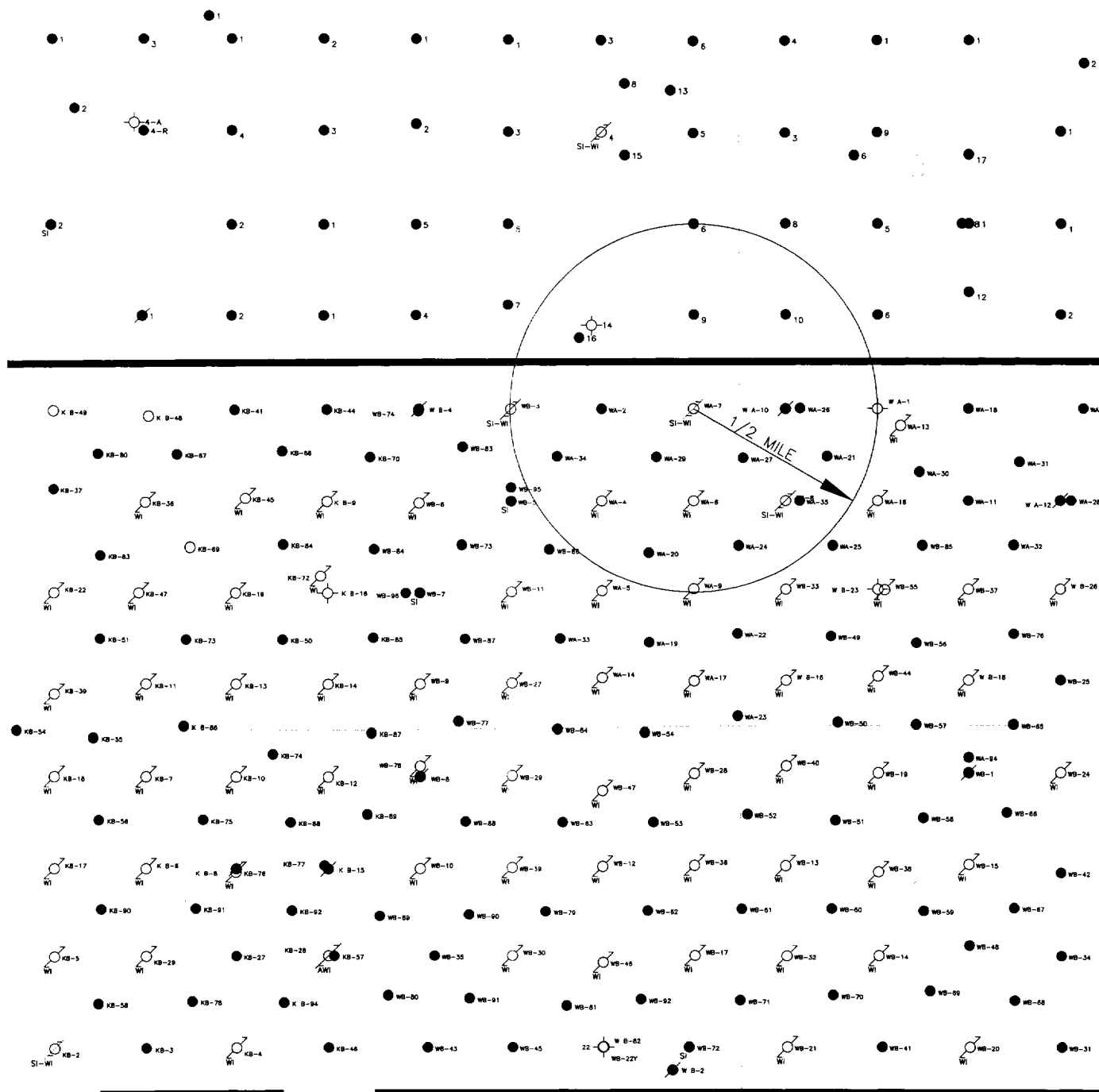


devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E.WEST "A" #2

Scale in Feet
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CHC 2/97

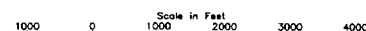
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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E.WEST "A" #7



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GRAYBURG-JACKSON UNIT

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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E. WEST "A" #26

Scale in Feet
1000 0 1000 2000 3000 4000

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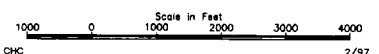
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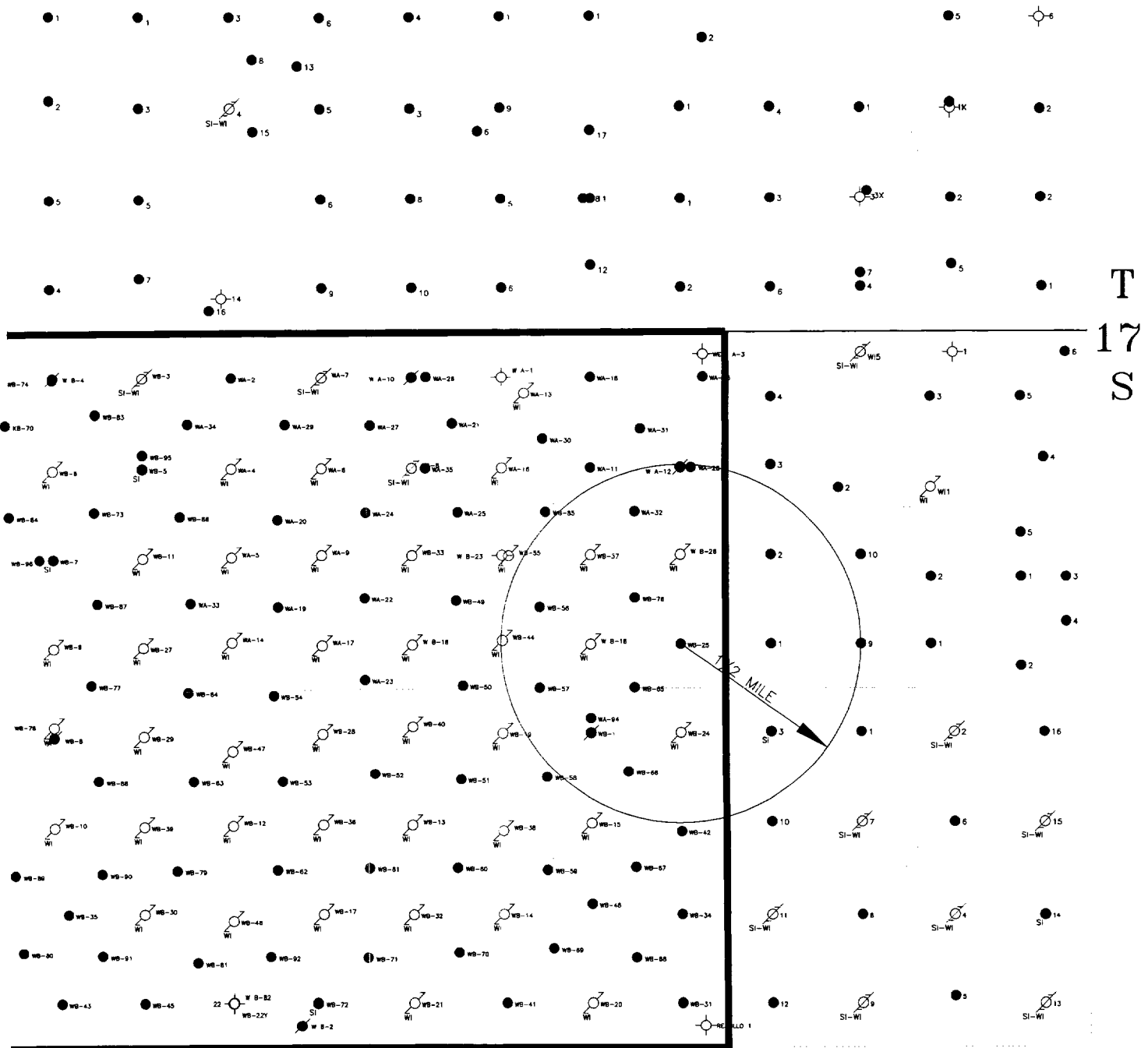
devon

GRAYBURG-JACKSON AREA

H.E.WEST "B" #3

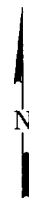


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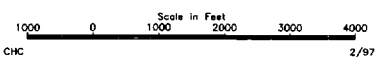
GRAYBURG-JACKSON UNIT



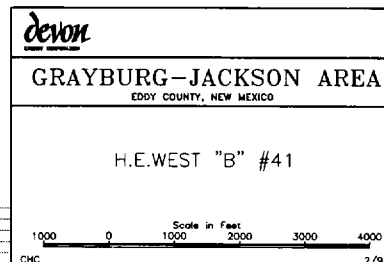
devon

GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E. WEST "B" #25

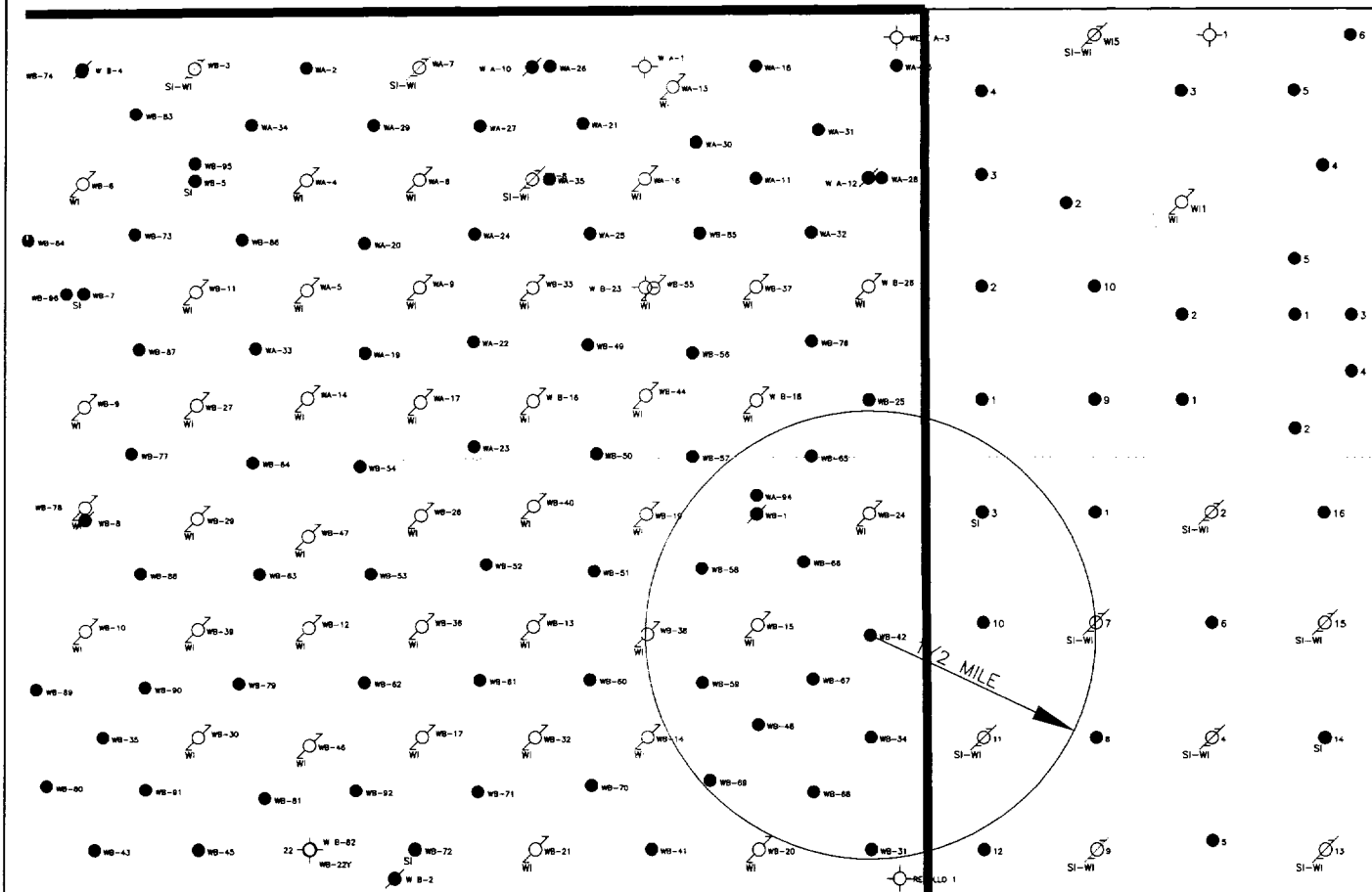


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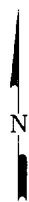
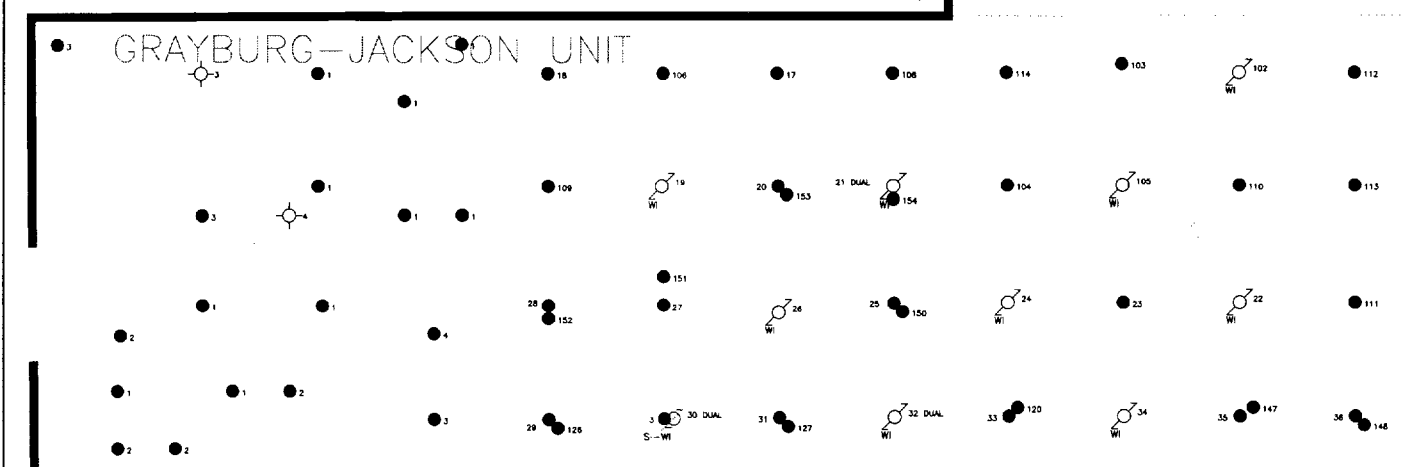
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GRAYBURG-JACKSON UNIT



GRAYBURG-JACKSON AREA

EDDY COUNTY, NEW MEXICO

H.E.WEST "B" #42

Scale in Feet

1000 0 1000 2000 3000 4000

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GRAYBURG-JACKSON UNIT

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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E.WEST "B" #43

Scale in Feet
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GRAYBURG-JACKSON UNIT

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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

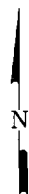
H.E. WEST "B" #72

Scale in Feet
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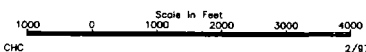
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GRAYBURG-JACKSON AREA
EDDY COUNTY, NEW MEXICO

H.E.WEST "B" #74



2/97

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

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
Hudson Federal #1	18-T17S-R31E	Devon Energy Corp.	WIW	
Hudson Federal #3	17-T17S-R31E	Devon Energy Corp.	Producer	
Hudson Federal #4	17-T17S-R31E	Devon Energy Corp.	P&A'd	
Hudson Federal #7	18-T17S-R31E	Devon Energy Corp.	Producer	
Hudson Federal #8	17-T17S-R31E	Devon Energy Corp.	Producer	
Hudson Federal #10	18-T17S-R31E	Devon Energy Corp.	Producer	
Hudson Federal #11	18-T17S-R31E	Devon Energy Corp.	Producer	
Keel "A" #6	7-T17S-R31E	Devon Energy Corp.	WIW	
Keel "A" #10	7-T17S-R31E	Devon Energy Corp.	WIW	
Keel "A" #19	7-T17S-R31E	Devon Energy Corp.	P&A'd	
Keel "A" #19Y	7-T17S-R31E	Devon Energy Corp.	Producer	
Keel "A" #27	7-T17S-R31E	Devon Energy Corp.	Producer	
Keel "A" #30	7-T17S-R31E	Devon Energy Corp.	WIW	
Keel "A" #35	7-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #1	6-T17S-R31E	Devon Energy Corp.	Shutin WIW	
Keel "B" #2	8-T17S-R31E	Devon Energy Corp.	Shutin WIW	Proposed Injector
Keel "B" #3	8-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
Keel "B" #4	8-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #5	8-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #6	8-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #9	5-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #16	5-T17S-R31E	Devon Energy Corp.	P&A'd	
Keel "B" #17	8-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #19	5-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #21	6-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #24	6-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #27	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #28	8-T17S-R31E	Devon Energy Corp.	P&A'd	
Keel "B" #29	8-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #31	6-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #32	6-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
Keel "B" #33	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #34	6-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #35	6-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
Keel "B" #36	5-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #37	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #40	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #41	5-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
Keel "B" #42	6-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #44	5-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
Keel "B" #45	5-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #46	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #47	5-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #48	5-T17S-R31E	Devon Energy Corp.	to be drilled	Proposed Injector
Keel "B" #57	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #58	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #59	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #60	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #61	6-T17S-R31E	Devon Energy Corp.	Producer	

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

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
Keel "B" #62	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #67	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #68	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #70	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #71	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #72	5-T17S-R31E	Devon Energy Corp.	WIW	
Keel "B" #78	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #79	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #80	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #81	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #82	6-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #83	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #84	5-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #90	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #91	8-T17S-R31E	Devon Energy Corp.	Producer	
Keel "B" #94	8-T17S-R31E	Devon Energy Corp.	Producer	
Russell #18	18-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #2	4-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "A" #4	4-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #5	4-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #6	4-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #7	4-T17S-R31E	Devon Energy Corp.	Shutin WIW	Proposed Injector
West "A" #8	3-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #9	4-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #10	3-T17S-R31E	Devon Energy Corp.	P&A'd	
West "A" #12	3-T17S-R31E	Devon Energy Corp.	P&A'd	
West "A" #13	3-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #16	3-T17S-R31E	Devon Energy Corp.	WIW	
West "A" #18	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #20	4-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #21	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #24	4-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #25	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #26	3-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "A" #27	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #28	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #29	4-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #30	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #32	3-T17S-R31E	Devon Energy Corp.	Producer	
West "A" #34	4-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #1	10-T17S-R31E	Devon Energy Corp.	P&A'd	
West "B" #2	9-T17S-R31E	Devon Energy Corp.	P&A'd	
West "B" #3	4-T17S-R31E	Devon Energy Corp.	Shutin WIW	Proposed Injector
West "B" #4	4-T17S-R31E	Devon Energy Corp.	P&A'd	
West "B" #5	4-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #6	4-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #7	4-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #10	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #11	4-T17S-R31E	Devon Energy Corp.	WIW	

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

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
West "B" #14	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #15	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #17	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #18	3-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #20	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #21	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #22Y	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #24	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #25	3-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #26	3-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #30	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #31	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #32	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #33	3-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #34	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #35	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #36	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #37	3-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #38	10-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #39	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #41	10-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #42	10-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #43	9-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #44	3-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #45	9-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #46	9-T17S-R31E	Devon Energy Corp.	WIW	
West "B" #48	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #56	3-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #57	3-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #58	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #59	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #60	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #61	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #62	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #65	3-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #66	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #67	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #68	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #69	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #70	10-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #71	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #72	9-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #73	4-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #74	4-T17S-R31E	Devon Energy Corp.	Producer	Proposed Injector
West "B" #76	3-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #79	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #80	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #81	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #83	4-T17S-R31E	Devon Energy Corp.	Producer	

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

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
West "B" #84	4-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #85	3-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #86	4-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #89	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #90	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #91	9-T17S-R31E	Devon Energy Corp.	Producer	
West "B" #92	9-T17S-R31E	Devon Energy Corp.	Producer	
		OUTSIDE OPERATED		
Artesia Petroleum Co. #2	1-T17S-R30E	Blanco Engineering, Inc	Active Oil	
Artesia Petroleum Co. #4	1-T17S-R30E	Blanco Engineering, Inc	Active Oil	
Carper #6	34-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Doolin #1	32-T16S-R31E	Kennedy Oil Company	P&A'd	
Foster-Eddy Federal #3	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster-Eddy Federal #4	17-T17S-R31E	Oryx Energy Company	P&A'd	
Foster-Eddy Federal #5	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster-Eddy Federal #6	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster-Eddy Federal #7	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster-Eddy Federal #8	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Grier "A" #1	31-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Grier "B" #2	31-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Grier #1	31-T16S-R31E	Everts Drilling	D&A	
Grier #3	31-T16S-R31E	McDonald-Williams	P&A'd	
Grier #4	31-T16S-R31E	McDonald-Williams	P&A'd	
Grier #6	31-T16S-R31E	Anadarko Petroleum	Inactive Oil	
Grier #18	31-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Johnson #8	34-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Johnson #10	34-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Johnson #14	33-T16S-R31E	G.B. Suppes	D&A	
Johnson #16	33-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Kennedy #4	33-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Kennedy #5	33-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Kersey #1	16-T17S-R31E	Ray Weatall	Active Oil	
Kersey #3	16-T17S-R31E	Ray Weatall	Active Oil	
Last Chance Federal #1	17-T17S-R31E	Ray Westall	Inactive Oil	
Lea "C" #3	11-T17S-R31E	Texaco Expl & Prod Inc	Inactive Oil	
Lea "C" #7	11-T17S-R31E	Texaco Expl & Prod Inc	Inactive Oil	
Lea "C" #10	11-T17S-R31E	Apache Corporation	Active Oil	
Lea "C" #11	11-T17S-R31E	Texaco Expl & Prod Inc	Inactive Oil	
Loe, H.J. #1	31-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Loe, H.J. #5	31-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Shell #1	16-T17S-R31E	Kersey & Company	P&A'd	
Skelly Unit #17	15-T17S-R31E	Wiser Oil Company	Active Oil	
Skelly Unit #18	15-T17S-R31E	Wiser Oil Company	Active Oil	
Skelly Unit #19	15-T17S-R31E	Texaco Expl & Prod Inc	Inactive Oil	
Skelly Unit #106	15-T17S-R31E	Wiser Oil Company	Active Oil	
State "AE" #1	16-T17S-R31E	Xeric Oil & Gas Corp.	Active Oil	

WELL LISTING "AREA OF REVIEW"
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NORTHERN LEASE LINE EXTENSION

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
State "B" #3	16-T17S-R31E	W-K Royalty Company	D&A	
State #9	2-T17S-R31E	Mack Energy Corp.	Active Oil	
Texas Trading #5	33-T16S-R31E	Newmont Oil Company	P&A'd	
Texas Trading #6	33-T16S-R31E	Newmont Oil Company	P&A'd	
Texas Trading #7	33-T16S-R31E	Yates Petroleum Corp.	Inactive Oil	
Texas Trading #9	33-T16S-R31E	Xeric Oil & Gas Corp.	WIW	
Tidewater #1	32-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Tidewater #1	2-T17S-R31E	Mack Energy Corp.	Active Oil	
Tidewater #2	32-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Tidewater #2	2-T17S-R31E	Mack Energy Corp.	Active Oil	
W. Square Lake Unit #10	36-T16S-R30E	James Cleo Thompson	Active Oil	
West, H.E. #1	3-T17S-R31E	Repollo Oil Company	D&A	
Western Development #1	32-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	
Western Development #2	32-T16S-R31E	Xeric Oil & Gas Corp.	Active Oil	

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>
HUDSON FEDERAL #1	660 FNL & 660 FEL SEC 18-T17S-R31E EDDY COUNTY, NM	1/24/39	5/20/39	OIL PRODUCER	3533'/3533'	8 5/8" @ 570' W/50 SXS 7" @ 2795' W/100 SXS OPEN HOLE COMPLETION: 2795' - 3533' IP=40 BOPD CONVERTED TO A WATER INJECTION WELL RETURN TO OIL PRODUCTION PLUGGED & ABANDONED
			8/10/67 1/18/71 12/17/80 3/15/97	WATER INJECTOR OIL PRODUCER WATER INJECTOR	3535'/3490'	RE-ENTER AND CLEANOUT WELLBORE TO 3535' 4 1/2" @ 3534' W/450 SXS. CEMENT TO SURFACE. PERFORATE: 2768' - 3469'(OA) - CONVERT TO WATER INJECTION WELL
HUDSON FEDERAL #3	1650 FNL & 330 FWL SEC 17-T17S-R31E EDDY COUNTY, NM	4/4/41	6/14/41	OIL PRODUCER	3497'/3497'	8 1/4" @ 636' W/50 SXS 7" @ 2780' W/100 SXS OPEN HOLE COMPLETION: 2780' - 3497' IP=100 BOPD
HUDSON FEDERAL #4	990 FNL & 330 FWL SEC 17-T17S-R31E EDDY COUNTY, NM	11/8/41	1/21/42	OIL PRODUCER	3500'/3500'	8 1/4" @ 636' W/120 SXS 7" @ 2803' W/100 SXS OPEN HOLE COMPLETION: 2803' - 3500' IP=52 BOPD PLUGGED & ABANDONED
HUDSON FEDERAL #7	10 FNL & 150 FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/19/96	6/24/96	OIL PRODUCER	3635'/3788'	8 5/8" @ 434' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3834' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 2855' - 3479'(OA) - 51 HOLES IP=96 BOPD
HUDSON FEDERAL #8	1475 FNL & 990 FWL SEC 17-T17S-R31E EDDY COUNTY, NM	5/10/96	6/1/96	OIL PRODUCER	3670'/3822'	8 5/8" @ 420' W/375 SXS. CEMENT TO SURFACE. 5 1/2" @ 3869' W/1450 SXS. TOC @ 175'(CBL) PERFORATE: 2852' - 3488'(OA) IP=151 BOPD
HUDSON FEDERAL #10	1600 FNL & 200 FEL SEC 18-T17S-R31E EDDY COUNTY, NM	2/23/96	3/21/96	OIL PRODUCER	3650'/3804'	8 5/8" @ 429' W/675 SXS. CEMENT TO SURFACE. 5 1/2" @ 3849' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 2776' - 3483'(OA) IP=275 BOPD

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<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/BTD</u>	<u>COMPLETION RECORD</u>
HUDSON FEDERAL #11	1150FNL & 1310FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/27/96	7/23/96	OIL PRODUCER	3800'/3754'	8 5/8" @ 432' W/680 SXS. CEMENT TO SURFACE. 5 1/2" @ 3799' W/875 SXS. CEMENT TO SURFACE. PERFORATE: 2799'- 3430'(OA) IP=44 BOPD
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 4 1/2" @ 3485' W/300 SXS PERFORATE: 2815'- 3456'(OA) CONVERT TO A WATER INJECTION WELL
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 DEEPENED OPEN HOLE TO 3580' 4 1/2" @ 3580' W/325 SXS. TOC @ 1850' PERFORATE: 2908'- 3571'(OA) CONVERT TO A WATER INJECTION WELL PERFORATE: 2832'- 3278'(OA) - RETURN TO INJECTION
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' TEMPORARILY ABANDONED 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

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<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
J.L. KEEL "A" #27	2630FSL & 85FEL SEC 7-T17S-R31E EDDY COUNTY, NM	3/26/95	5/14/95	OIL PRODUCER	4045'/3996'	8 5/8" @ 440' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4044' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2875'- 3734'(OA) IP=84 BOPD
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" #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 "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
J.L. KEEL "B" #2	660FSL & 660FWL SEC 8-T17S-R31E EDDY COUNTY, NM	7/15/44	10/13/44	OIL PRODUCER	3482'/3482'	8 5/8" @ 524' W/75 SXS 7" @ 2850' W/100 SXS OPEN HOLE COMPLETION: 2850'- 3485' IP=40 BOPD
			4/3/66	WATER INJECTOR	3620'/3616'	DEEPEMED OPEN HOLE TO 3620' 4 1/2" LINER @ 2752'- 3618' W/140 SXS PERFORATE: 2914'- 3555'(OA) CONVERT TO A WATER INJECTION WELL
				WATER INJECTOR		

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/BTD</u>	<u>COMPLETION RECORD</u>
J.L. KEEL "B" #3	660FSL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	10/30/44	1/12/45	OIL PRODUCER	3490'/3490'	8 5/8" @ 518' W/50 SXS 7" @ 2930' W/100 SXS OPEN HOLE COMPLETION: 2930' - 3490' IP=24 BOPD DEEPEINED OPEN HOLE TO 3630' - RETURN TO PRODUCTION
J.L. KEEL "B" #4	660FSL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	2/8/45	5/10/45	OIL PRODUCER	3279'/3279'	8 5/8" @ 543' W/60 SXS 7" @ 2897' W/100 SXS OPEN HOLE COMPLETION: 2897' - 3279' IP=17 BOPD DEEPEINED OPEN HOLE TO 3730' 4 1/2" LINER @ 2818' - 3728' W/180 SXS PERFORATE: 3004' - 3682'(OA) CONVERT TO A WATER INJECTION WELL PERFORATE: 2978' - 3666(OA) - RETURN TO INJECTION
J.L. KEEL "B" #5	1980FSL & 660FWL SEC 8-T17S-R31E EDDY COUNTY, NM	12/28/50	3/5/51	OIL PRODUCER	3200'/3169'	8 5/8" @ 557' W/100 SXS 7" @ 2802' W/206 SXS OPEN HOLE COMPLETION: 2802' - 3200' IP=50 BOPD DEEPEINED OPEN HOLE TO 3650' - RETURN TO PRODUCTION PLUG BACK OPEN HOLE TO 3504' - RETURN TO PRODUCTION CLEAN OUT OPEN HOLE TO TD 4 1/2" @ 3649' W/300 SXS. TOC @ 880'(CBL) PERFORATE: 2838' - 3566(OA) CONVERT TO A WATER INJECTION WELL
			6/18/55 9/26/70 9/9/96	WATER INJECTOR	3650'/3650' 3650'/3504' 3650'/3594'	

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
J.L. KEEL "B" #6	1980FNL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	3/19/51	5/6/51	OIL PRODUCER	3023'/3023'	10 3/4" @ 556' W/200 SXS 7" @ 2856' W/200 SXS OPEN HOLE COMPLETION: 2856' - 3023' IP=83 BOPD DEEPEMED OPEN HOLE TO 3400' - RETURN TO PRODUCTION DEEPEMED OPEN HOLE TO 3680' - RETURN TO PRODUCTION DEEPEMED OPEN HOLE TO 3800' 4 1/2" @ 3798' W/475 SXS. CEMENT TO SURFACE. PERFORATE: 2882' - 3683'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #9	1980FNL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	7/19/51	8/29/51	OIL PRODUCER	3500'/3500'	10 3/4" @ 659' W/100 SXS 7" @ 3082' W/200 SXS OPEN HOLE COMPLETION: 3082' - 3500' IP=42 BOPD DEEPEMED OPEN HOLE TO 3950' 4 1/2" @ 3949' W/450 SXS. CEMENT TO SURFACE PERFORATE: 3072' - 3840'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #16	1980FSL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	5/1/52	7/9/52	OIL PRODUCER	3550'/3550'	8 5/8" @ 643' W/100 SXS 7" @ 3081' W/200 SXS OPEN HOLE COMPLETION: 3081'/3550' IP=35 BOPD DEEPEMED OPEN HOLE TO 3780' 5" LINER @ 3002' - 3765' W/170 SXS PERFORATE: 3140' - 3756'(OA) CONVERT TO A WATER INJECTION WELL PLUGGED & ABANDONED
			1/15/64	WATER INJECTOR	3780'/3757'	
			5/24/86			

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/BTD</u>	<u>COMPLETION RECORD</u>
J.L. KEEL "B" #17	1980 FNL & 660 FVWL SEC 8-T17S-R31E EDDY COUNTY, NM	10/8/52	11/30/52	OIL PRODUCER	3286'/3286'	8 5/8" @ 568' W/100 SXS 7" @ 2839' W/200 SXS OPEN HOLE COMPLETION: 2839' - 3286' IP=45 BOPD
			12/7/64	WATER INJECTOR	3615'/3613'	DEEPENED OPEN HOLE TO 3615' 4 1/2" @ 3615' W/325 SXS PERFORATE: 2965' - 3601'(OA) CONVERT TO A WATER INJECTION WELL PERFORATE: 2828' - 3396'(OA) - RETURN TO WATER INJECTION
J.L. KEEL "B" #19	1980 FSL & 1980 FEL SEC 5-T17S-R31E EDDY COUNTY, NM	3/13/54	6/21/54	OIL PRODUCER	3700'/3700'	8 5/8" @ 624' W/100 SXS 7" @ 3006' W/200 SXS OPEN HOLE COMPLETION: 3006' - 3700' IP=16 BOPD
			9/23/96	WATER INJECTOR		4 1/2" @ 3700' W/400 SXS. CEMENT TO SURFACE. PERFORATE: 3052' - 3676'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #21	1980 FSL & 1980 FEL 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
			2/16/66	WATER INJECTOR	3490'/3470'	3 1/2" LINER @ 2737' - 3470' W/125 SXS PERFORATE: 2938' - 3454'(OA) CONVERT TO A WATER INJECTION WELL PERFORATE: 2801' - 3280'(OA) - RETURN TO INJECTION
J.L. KEEL "B" #24	1980 FNL & 1694 FVWL 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
			9/10/70		3519'/3490'	DRILL OUT CIBP AND CLEAN OUT OPEN HOLE TO 3490' PERFORATE: 3010' - 3102'(OA) - RETURN TO PRODUCTION
			10/11/96	WATER INJECTOR	3519'/3476'	4 1/2" @ 3482' W/400 SXS. CEMENT TO SURFACE. PERFORATE: 2837' - 3470'(OA) CONVERT TO A WATER INJECTION WELL

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J.L. KEEL "B" #27	1980FSL & 1980FEL SEC 8-T17S-R31E EDDY COUNTY, NM	10/3/64	11/9/64	OIL PRODUCER	3725'/3725'	8 5/8" @ 560' W/370 SXS. CEMENT TO SURFACE. 5 1/2" @ 3725' W/325 SXS. TOC @ 1190' PERFORATE: 3064'-3724'(OA) IP=32 BOPD
J.L. KEEL "B" #28	1980FSL & 660FEL SEC 8-T17S-R31E EDDY COUNTY, NM	10/23/64	11/10/64	WATER INJECTOR	3800'/3800'	8 5/8" @ 550' W/225 SXS. CEMENT TO SURFACE. 4 1/2" @ 3800' W/360 SXS PERFORATE: 3118'-3800'(OA) COMPLETED AS A WATER INJECTION WELL PLUGGED & ABANDONED
J.L. KEEL "B" #29	1980FSL & 1980FWL SEC 8-T17S-R31E EDDY COUNTY, NM	10/28/64	11/1/9/64	WATER INJECTOR	3700'/3697'	8 5/8" @ 555' W/220 SXS. CEMENT TO SURFACE. 4 1/2" @ 3700' W/360 SXS. TOC @ 1690' PERFORATE: 2996'-3660'(OA) COMPLETED AS A 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 DEEPEDED WELLBORE TO 3700' PERFORATE: 2853'-3490'(OA) CONVERT TO A WATER INJECTION WELL
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" #33	860FNL & 860FEL SEC 6-T17S-R31E EDDY COUNTY, NM	12/27/85	1/28/86	OIL PRODUCER	3553'/3465'	13 3/8" @ 415' W/900 SXS. CEMENT TO SURFACE. 9 5/8" @ 2704' W/1375 SXS. CEMENT TO SURFACE. 7" @ 3553' W/550 SXS. CEMENT TO SURFACE. PERFORATE: 3028'-3193'(OA) IP=31 BOPD

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J.L. KEEL "B" #34	1680FNL & 660FEL SEC 6-T17S-R31E EDDY COUNTY, NM	8/23/88	9/8/88	OIL PRODUCER	3664/3621'	8 5/8" @ 456' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3664' W/1000 SXS. CEMENT TO SURFACE. PERFORATE: 2997'- 3615'(OA) IP=50 BOPD PERFORATE: 2866'- 2945'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #35	635FNL & 1586FWL SEC 6-T17S-R31E EDDY COUNTY, NM	1/20/86	3/12/86	OIL PRODUCER	3550/3506'	13 3/8" @ 414' W/650 SXS. CEMENT TO SURFACE. 9 5/8" @ 2700' W/1415 SXS. CEMENT TO SURFACE. 7" @ 3550' W/650 SXS. CEMENT TO SURFACE. PERFORATE: 2952'- 3425'(OA) IP=48 BOPD
J.L. KEEL "B" #36	1980FNL & 1980FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/12/87	6/29/87	OIL PRODUCER	3760/3718'	8 5/8" @ 420' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3760' W/550 SXS. TOC @ 1200'(CBL) PERFORATE: 3275'- 3315'(OA) IP=32 BOPD PERFORATE: 3363'- 3619'(OA) - RETURN TO PRODUCTION PERFORATE: 3134'- 3237'(OA) - RETURN TO PRODUCTION PERFORATE: 2977'- 3686'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #37	1780FNL & 660FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/30/88	7/16/88	OIL PRODUCER	3754/3754'	8 5/8" @ 380' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3754' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2999'- 3697'(OA) IP=113 BOPD
J.L. KEEL "B" #40	1980FNL & 660FWL SEC 6-T17S-R31E EDDY COUNTY, NM	7/21/88	10/27/88	OIL PRODUCER	3760/3715'	8 5/8" @ 460' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3759' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2826'- 3483'(OA) SQUEEZE OFF PERFORATIONS 2826'- 2951' W/600 SXS IP=40 BOPD

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J.L. KEEL "B" #41	660FNL & 1980FEL SEC 5-T17S-R31E EDDY COUNTY, NM	9/16/88	10/20/88	OIL PRODUCER	3843/3785'	8 5/8" @ 458' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3843' W/1350 SXS. CEMENT TO SURFACE PERFORATE: 3172- 3783'(OA) IP=83 BOPD
J.L. KEEL "B" #42	1980FSL & 1780FWL SEC 6-T17S-R31E EDDY COUNTY, NM	9/7/88	9/29/88	OIL PRODUCER	3550/3481'	8 5/8" @ 463' W/300 SXS. CEMENT TO SURFACE 5 1/2" @ 3550' W/1200 SXS. CEMENT TO SURFACE PERFORATE: 2915- 3509(OA) SQUEEZE OFF PERFORATIONS 2915- 2948'(OA) W/265 SXS PERFORATE: 2965- 3509(OA) IP=108 BOPD PERFORATED 2797'- 2934'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #44	660FNL & 660FEL SEC 5-T17S-R31E EDDY COUNTY, NM	1/31/89	3/24/89	OIL PRODUCER	3916/3800'	8 5/8" @ 504' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3916' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3177- 3865'(OA) IP=108 BOPD
J.L. KEEL "B" #45	1930FNL & 1830FEL SEC 5-T17S-R31E EDDY COUNTY, NM	2/13/89	3/30/89	OIL PRODUCER	3883/3828'	8 5/8" @ 464' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3883' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 3136- 3730'(OA) IP=83 BOPD PERFORATE: 3048'- 3822'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #46	660FSL & 660FEL SEC 8-T17S-R31E EDDY COUNTY, NM	4/23/89	5/31/89	OIL PRODUCER	3751/3655'	8 5/8" @ 387' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3751' W/1700 SXS. CEMENT TO SURFACE. PERFORATE: 3050- 3674'(OA) SET CIBP @ 3655' IP=116 BOPD

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J.L. KEEL "B" #47	1980FSL & 1880FWL SEC 5-T17S-R31E EDDY COUNTY, NM	6/26/94	7/26/94	OIL PRODUCER	4040'/3992'	8 5/8" @ 503' W/305 SXS. CEMENT TO SURFACE. 5 1/2" @ 4039' W/1010 SXS. CEMENT TO SURFACE. PERFORATE: 3024'- 3922'(OA) IP=69 BOPD SET CIBP @ 3796' & CAP W/1 SX CEMENT(10') PERFORATE: 3252'- 3753'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #57	1980FSL & 580FEL SEC 8-T17S-R31E EDDY COUNTY, NM	1/8/95	5/2/95	OIL PRODUCER	3985'/3558'	8 5/8" @ 424' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3983' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 3586'- 3899'(OA) SET CIBP @ 3568' & CAP W/1 SX CEMENT(10') PERFORATE: 3029'- 3497'(OA) IP=30 BOPD
J.L. KEEL "B" #58	1300FSL & 1290FWL SEC 8-T17S-R31E EDDY COUNTY, NM	1/10/95	3/12/95	OIL PRODUCER	4020'/3973'	8 5/8" @ 463' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4020' W/1075 SXS. CEMENT TO SURFACE PERFORATE: 2963'- 3741'(OA) IP=31 BOPD
J.L. KEEL "B" #59	1280FNL & 1070FWL SEC 6-T17S-R31E EDDY COUNTY, NM	12/15/94	3/4/95	OIL PRODUCER	3980'/3530'	8 5/8" @ 438' W/415 SXS. CEMENT TO SURFACE 5 1/2" @ 3979' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 2994'- 3899'(OA) SET CIBP @ 3750' AND 3530' IP=31 BOPD
J.L. KEEL "B" #60	1300FNL & 2450FWL SEC 6-T17S-R31E EDDY COUNTY, NM	1/24/95	4/2/95	OIL PRODUCER	4015'/3967'	8 5/8" @ 462' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4014' W/1275 SXS. CEMENT TO SURFACE. PERFORATE: 2856'- 3896'(OA) IP=71 BOPD
J.L. KEEL "B" #61	1410FNL & 150FEL SEC 6-T17S-R31E EDDY COUNTY, NM	6/10/95	7/3/95	OIL PRODUCER	4070'/4055'	8 5/8" @ 434' W/430 SXS. CEMENT TO SURFACE 5 1/2" @ 4069' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 2975'- 4030'(OA) IP=62 BOPD

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J.L. KEEL "B" #62	2650FSL & 2650FNL 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" #67	1290FNL & 2810FEL SEC 5-T17S-R31E EDDY COUNTY, NM	6/25/95	8/7/95	OIL PRODUCER	4225'/4176'	8 5/8" @ 426 W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4224 W/1525 SXS. CEMENT TO SURFACE. PERFORATE: 3075'- 4103'(OA) IP=28 BOPD
J.L. KEEL "B" #68	1250FNL & 1300FEL SEC 5-T17S-R31E EDDY COUNTY, NM	10/1/95	11/4/95	OIL PRODUCER	4265'/4217'	8 5/8" @ 506 W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4264 W/975 SXS. CEMENT TO SURFACE. PERFORATE: 3131'- 4098'(OA) IP=72 BOPD
J.L. KEEL "B" #70	1338FNL & 40FEL SEC 5-T17S-R31E EDDY COUNTY, NM	9/21/95	10/27/95	OIL PRODUCER	4325'/4279'	8 5/8" @ 550 W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4324 W/1175 SXS. CEMENT TO SURFACE. PERFORATE: 3223'- 4087'(OA) IP=38 BOPD
J.L. KEEL "B" #71	2521FNL & 67FEL SEC 6-T17S-R31E EDDY COUNTY, NM	3/3/95	5/20/95	OIL PRODUCER	4070'/4023'	8 5/8" @ 466 W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4069 W/1475 SXS. CEMENT TO SURFACE. PERFORATE: 2925'- 3830'(OA) IP=99 BOPD
J.L. KEEL "B" #72	2230FSL & 760FEL SEC 5-T17S-R31E EDDY COUNTY, NM	9/6/95	10/3/95	OIL PRODUCER	4065'/4018'	8 5/8" @ 514 W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4064 W/825 SXS. CEMENT TO SURFACE. PERFORATE: 3153'- 3740'(OA) IP=44 BOPD PERFORATE: 3082'- 3858'(OA) CONVERT TO A WATER INJECTION WELL
J.L. KEEL "B" #78	1330FSL & 2616FEL SEC 8-T17S-R31E EDDY COUNTY, NM	6/27/95	7/22/95	OIL PRODUCER	4155'/4107'	8 5/8" @ 426 W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4154 W/1450 SXS. CEMENT TO SURFACE. PERFORATE: 2902'- 3791'(OA) IP=56 BOPD

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J.L. KEEL "B" #79	1380'FNL & 1453'FEL SEC 6-T17S-R31E EDDY COUNTY, NM	6/2/95	7/14/95	OIL PRODUCER	4025'/3978'	8 5/8" @ 444' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4024' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 2903'- 3736'(OA) IP=84 BOPD
J.L. KEEL "B" #80	2598'FNL & 1293'FEL SEC 5-T17S-R31E EDDY COUNTY, NM	7/3/95	8/13/95	OIL PRODUCER	4220'/4171'	8 5/8" @ 438' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4219' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 3125'- 4066'(OA) IP=30 BOPD
J.L. KEEL "B" #81	2550'FNL & 1190'FWL SEC 6-T17S-R31E EDDY COUNTY, NM	2/14/95	5/17/95	OIL PRODUCER	4000'/3947'	8 5/8" @ 470' W/850 SXS. CEMENT TO SURFACE. 5 1/2" @ 3999' W/1200 SXS. CEMENT TO SURFACE. PERFORATE: 2853'- 3701'(OA) IP=76 BOPD
J.L. KEEL "B" #82	2519'FNL & 1310'FEL SEC 6-T17S-R31E EDDY COUNTY, NM	2/23/95	4/29/95	OIL PRODUCER	4010'/3962'	8 5/8" @ 461' W/330 SXS. CEMENT TO SURFACE. 5 1/2" @ 4009' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2874'- 3898'(OA) IP=52 BOPD
J.L. KEEL "B" #83	2741'FNL & 1330'FWL SEC 5-T17S-R31E EDDY COUNTY, NM	3/11/95	5/27/95	OIL PRODUCER	4125'/4081'	8 5/8" @ 474' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4124' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 3016'- 3877'(OA) IP=88 BOPD
J.L. KEEL "B" #84	2598'FNL & 1293'FEL SEC 5-T17S-R31E EDDY COUNTY, NM	7/3/95	8/13/95	OIL PRODUCER	4220'/4171'	8 5/8" @ 438' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4219' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 3135'- 4066'(OA) IP=30 BOPD
J.L. KEEL "B" #90	2575'FNL & 1335'FWL SEC 8-T17S-R31E EDDY COUNTY, NM	3/18/95	4/22/95	OIL PRODUCER	4055'/4015'	8 5/8" @ 475' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4054' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 2886'- 3644'(OA) IP=87 BOPD

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J.L. KEEL "B" #91	2664FSL & 2562FEL SEC 8-T17S-R31E EDDY COUNTY, NM	5/15/95	6/22/95	OIL PRODUCER	4069'/4022'	8 5/8" @ 466' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 4068' W/1075 SXS. CEMENT TO SURFACE. PERFORATE: 2969' - 3964'(OA) IP=176 BOPD
J.L. KEEL "B" #94	1309FSL & 1299FEL SEC 8-T17S-R31E EDDY COUNTY, NM	7/6/95	7/29/95	OIL PRODUCER	4220'/4171'	8 5/8" @ 468' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 4219' W/1800 SXS. CEMENT TO SURFACE. PERFORATE: 2975' - 3878'(OA) IP=140 BOPD
C.A. RUSSELL #18	330FNL & 1350FEL SEC 18-T17S-R31E EDDY COUNTY, NM	2/5/96	3/15/96	OIL PRODUCER	3800'/3751'	13 3/8" @ 306' W/925 SXS. CEMENT TO SURFACE. 5 1/2" @ 3799' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 2808' - 3737'(OA) IP=158 BOPD
H.E. WEST "A" #2	660FNL & 1980FEL SEC 4-T17S-R31E EDDY COUNTY, NM	2/5/48	4/1/48	OIL PRODUCER	3492'/3492'	10 3/4" @ 649' W/125 SXS 7" @ 3338' W/150 SXS OPEN HOLE COMPLETION: 3338' - 3492' IP=30 BOPD PERFORATE OPEN HOLE - RETURN TO PRODUCTION
H.E. WEST "A" #4	1980FNL & 1980FEL SEC 4-T17S-R31E EDDY COUNTY, NM	8/7/54	9/12/54	OIL PRODUCER	3341'/3341'	8 5/8" @ 706' W/100 SXS 7" @ 3169' W/200 SXS OPEN HOLE COMPLETION: 3169' - 3341' IP=120 BOPD DEEPENED OPEN HOLE TO 3842' 4 1/2" LINER @ 3068' - 3842' W/95 SXS PERFORATE: 3331' - 3822'(OA) CONVERT TO A WATER INJECTION WELL PERFORATE: 3242' - 3398'(OA) - RETURN TO INJECTION
			9/12/63	WATER INJECTOR	3842'/3825'	

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H.E. WEST "A" #5	1980FSL & 1980FEL SEC 4-T17S-R31E EDDY COUNTY, NM	10/20/54	12/14/54	OIL PRODUCER	3650'/3650'	8 5/8" @ 695' W/100 SXS 7" @ 3169' W/200 SXS OPEN HOLE COMPLETION: 3169' - 3650' IP=43 BOPD PERF 7" CASING @ 695' & SQUEEZE W/133 SXS. CEMENT TO SURFACE. RETURN TO PRODUCTION DEEPENED OPEN HOLE TO 4070' 4 1/2" @ 4070' W/365 SXS. CEMENT TO SURFACE. PERFORATE: 3170' - 3920'(OA) CONVERT TO A WATER INJECTION WELL
			2/18/85	WATER INJECTOR	4070'/4016'	
			3/25/95			
H.E. WEST "A" #6	1980FNL & 660FEL SEC 4-T17S-R31E EDDY COUNTY, NM	1/2/55	27/55	OIL PRODUCER	3369'/3369'	8 5/8" @ 740' W/100 SXS 7" @ 3220' W/200 SXS OPEN HOLE COMPLETION: 3220' - 3369' IP=504 BOPD DEEPENED OPEN HOLE TO 3870' - RETURN TO PRODUCTION CONVERT TO A WATER INJECTION WELL
			1/29/63	WATER INJECTOR	3870'/3870'	
			4/19/96			
H.E. WEST "A" #7	660FNL & 660FEL SEC 4-T17S-R31E EDDY COUNTY, NM	5/8/55	6/21/55	OIL PRODUCER	3386'/3386'	8 5/8" @ 760' W/100 SXS 5 1/2" @ 3234' W/200 SXS OPEN HOLE COMPLETION: 3234' - 3386' IP=240 BOPD CONVERT TO A WATER INJECTION WELL DEEPENED OPEN HOLE TO 3883' - RETURN TO INJECTION
			9/20/62	WATER INJECTOR	3883'/3883'	
			8/16/63			

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H.E. WEST "A" #8	1980 FNL & 660 FWL SEC 3-T17S-R31E EDDY COUNTY, NM	8/5/55	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=26 BOPD CONVERT TO A WATER INJECTION WELL DEEPEENED OPEN HOLE TO 3901' - RETURN TO INJECTION PLUGGED & ABANDONED DRILL CEMENT PLUGS & CLEAN OUT TO TD
			9/22/62 8/20/63 4/23/82 9/15/89	WATER INJECTOR	3901'/3901' 3901'/3845'	4" LINER @ 2989' - 3901' W/75 SXS 2 3/8" LINER @ 3022' - 3901' W/300 SXS PERFORATE: 3360' - 3795'(OA) RETURN WELL TO WATER INJECTION
H.E. WEST "A" #9	1980 FSL & 660 FEL SEC 4-T17S-R31E EDDY COUNTY, NM	10/19/55	12/2/55	OIL PRODUCER	3375'/3375'	8 5/8" @ 719' W/100 SXS 7" @ 3198' W/200 SXS OPEN HOLE COMPLETION: 3198' - 3375' IP=141 BOPD CONVERT TO A WATER INJECTION WELL DEEPEENED OPEN HOLE TO 3868' - RETURN TO INJECTION PLUGGED & ABANDONED DRILL OUT CEMENT PLUGS & CLEAN OUT TO TD
			9/21/62 8/13/63 4/26/82 9/28/89	WATER INJECTOR	3868'/3868'	4 1/2" LINER @ 2967' - 3862' W/175 SXS PERFORATE: 3296' - 3854'(OA) RETURN WELL TO WATER INJECTION DEEPEENED WELLBORE TO 3880' PERFORATE: 3209' - 3504'(OA) - RETURN TO INJECTION
			5/26/95		3880'/3880'	
H.E. WEST "A" #10	660 FNL & 660 FWL SEC 3-T17S-R31E EDDY COUNTY, NM	3/9/56	5/6/56	OIL PRODUCER	3673'/3673'	8 5/8" @ 788' W/100 SXS 5 1/2" @ 3261' W/200 SXS OPEN HOLE COMPLETION: 3261' - 3673' IP=159 BOPD TUBING PARTED, UNABLE TO RETRIEVE FISH - TEMPORARILY ABANDONED PLUGGED & ABANDONED
			2/19/70 2/3/81			

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H.E. WEST "A" #12	1980 FNL & 660'FEL 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
			5/1/81			
H.E. WEST "A" #13	900'FNL & 2310'FWL 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. TOC @ 1800'(CBL) PERFORATE: 3419- 3686'(OA) COMPLETED AS A WATER INJECTION WELL SQUEEZE OFF PERFORATIONS 3419- 3428' W/850 SXS SQUEEZE OFF CASING LEAKS 1370- 1561' W/900 SXS DEEPENED WELLBORE TO 3950' - RETURN TO INJECTION
			5/23/82			
			9/29/89		3950'/3950'	
H.E. WEST "A" #16	1980'FNL & 1980'FWL 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 PERFORATE: 3312- 4009'(OA) CONVERT TO A WATER INJECTION WELL
			5/10/96	WATER INJECTOR		
H.E. WEST "A" #18	660'FNL & 1980'FEL 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" #20	2525'FSL & 1306'FEL SEC 4-T17S-R31E EDDY COUNTY, NM	11/14/94	1/25/95	OIL PRODUCER	4325'/4282'	8 5/8" @ 606' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4324' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3276- 4206'(OA) IP=113 BOPD
H.E. WEST "A" #21	1335'FNL & 1255'FWL 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) IP=69 BOPD

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H.E. WEST "A" #24	2625FNL & 15FEL SEC 4-T17S-R31E EDDY COUNTY, NM	8/27/94	12/16/94	OIL PRODUCER	4380'/4345'	8 5/8" @ 615' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4379' W/1465 SXS. CEMENT TO SURFACE. PERFORATE: 3314'- 4222'(OA) 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" @ 623' W/366 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" #26	650FNL & 870FWL SEC 3-T17S-R31E EDDY COUNTY, NM	12/3/95	12/23/95	OIL PRODUCER	4215'/4168'	8 5/8" @ 648' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4214' W/1025 SXS. CEMENT TO SURFACE. PERFORATE: 3329'- 4075'(OA) IP=100 BOPD
H.E. WEST "A" #27	1359FNL & 50FWL SEC 3-T17S-R31E EDDY COUNTY, NM	11/21/95	12/23/95	OIL PRODUCER	4455'/4408'	8 5/8" @ 644' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4454' W/1110 SXS. CEMENT TO SURFACE. PERFORATE: 3286'- 4055'(OA) IP=200 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" #29	1345FNL & 1194FEL SEC 4-T17S-R31E EDDY COUNTY, NM	11/8/95	1/25/96	OIL PRODUCER	4430'/4383'	8 5/8" @ 600' W/480 SXS. CEMENT TO SURFACE. 5 1/2" @ 4429' W/940 SXS. CEMENT TO SURFACE. PERFORATE: 3325'- 4197'(OA) IP=100 BOPD
H.E. WEST "A" #30	1560FNL & 2580FWL SEC 3-T17S-R31E EDDY COUNTY, NM	12/4/95	1/14/96	OIL PRODUCER	4475'/4430'	8 5/8" @ 636' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4474' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3389'- 4059'(OA) IP=94 BOPD

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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 "A" #34	1334FNL & 2622FEL SEC 4-T17S-R31E EDDY COUNTY, NM	10/29/95	11/19/95	OIL PRODUCER	4365'/4318'	8 5/8" @ 612' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4364' W/975 SXS. CEMENT TO SURFACE. PERFORATE: 3244' - 3972' (OA) IP=81 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. CEMENT TO SURFACE. 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 @ 1464' PERFORATE: 3380' - 3935' (OA) RETURN TO PRODUCTION @ 16 BOPD
H.E. WEST "B" #2	330FSL & 990FEL SEC 9-T17S-R31E EDDY COUNTY, NM	11/1/37	2/1/38	OIL PRODUCER	3757'/3727'	9 5/8" @ 695' W/50 SXS 7" @ 3570' W/100 SXS OPEN HOLE COMPLETION: 3570' - 3727' IP=22 BOPD PLUGGED & ABANDONED ATTEMPTED TO RE-ENTER, WORKOVER FAILED PLUGGED & ABANDONED

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H.E. WEST "B" #3	660FNL & 1980FWL SEC 4-T17S-R31E EDDY COUNTY, NM	2/26/46	5/16/46	OIL PRODUCER	3500'/3500'	10 3/4" @ 714' W/100 SXS 7" @ 3294' W/100 SXS OPEN HOLE COMPLETION: 3294'- 3500' IP=188 BOPD
			10/9/62	WATER INJECTOR	3800'/3800'	DEEPENED OPEN HOLE TO 3800' CONVERT TO A WATER INJECTION WELL
			9/7/64		3800'/3755'	4 1/2" LINER @ 3227'- 3799' W/755 SXS PERFORATE: 3210' - 3426'(OA) - RETURN TO INJECTION
H.E. WEST "B" #4	660FNL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	6/17/46	9/16/46	OIL PRODUCER	3429'/3429'	8 5/8" @ 666' W/125 SXS 7" @ 3097' W/125 SXS OPEN HOLE COMPLETION: 3097'- 3429' IP=40 BOPD PLUGGED & ABANDONED
H.E. WEST "B" #5	1980FNL & 1980FWL SEC 4-T17S-R31E EDDY COUNTY, NM	8/11/50	11/6/50	OIL PRODUCER	3487'/3487'	10 3/4" @ 682' W/150 SXS 7" @ 3186' W/150 SXS OPEN HOLE COMPLETION 3186'- 3487' IP=31 BOPD
			7/2/63		3841'/3841'	DEEPENED OPEN HOLE TO 3841' - RETURN TO PRODUCTION
			9/18/66		3841'/3774'	4 1/2" LINER @ 3105'- 3794' W/500 SXS PERFORATE: 3393'- 3558'(OA) - RETURN TO PRODUCTION
H.E. WEST "B" #6	2005FNL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	3/10/51	5/10/51	OIL PRODUCER	3314'/3314'	10 3/4" @ 669' W/100 SXS 7" @ 3123' W/200 SXS OPEN HOLE COMPLETION: 3123'- 3314' IP=100 BOPD
			11/28/62		3556'/3556'	DEEPENED OPEN HOLE TO 3556' - RETURN TO PRODUCTION
			9/20/62	WATER INJECTOR		CONVERT TO A WATER INJECTION WELL
			7/29/64		3556'/3554'	4 1/2" LINER @ 3043'- 3554' W/150 SXS PERFORATE: 3194'- 3464'(OA) - RETURN TO INJECTION

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H.E. WEST "B" #7	1980FSL & 660FWL SEC 4-T17S-R31E EDDY COUNTY, NM	2/7/52	4/23/52	OIL PRODUCER	3541'/3541'	8 5/8" @ 649' W/100 SXS 7" @ 3105' W/200 SXS OPEN HOLE COMPLETION: 3105'- 3541' IP=76 BOPD DEEPEMED OPEN HOLE TO 3765' - RETURN TO PRODUCTION
			12/7/63		3765'/3765'	
			4/14/53	OIL PRODUCER	3623'/3623'	8 5/8" @ 642' W/100 SXS 7" @ 3097' W/200 SXS OPEN HOLE COMPLETION: 3097'- 3623' IP=35 BOPD 4 1/2" LINER @ 3010'- 3612' W/150 SXS PERFORATE: 3161'- 3435'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #10	1980FNL & 660FWL SEC 9-T17S-R31E EDDY COUNTY, NM	2/23/53	7/12/64	WATER INJECTOR	3623'/3498'	
H.E. WEST "B" #11	1980FSL & 1980FWL SEC 4-T17S-R31E EDDY COUNTY, NM	12/26/53	3/1/54	OIL PRODUCER	3574'/3574'	8 5/8" @ 683' W/100 SXS 7" @ 3146' W/200 SXS OPEN HOLE COMPLETION: 3146'- 3574' IP=59 BOPD CONVERT TO A WATER INJECTION WELL
			9/20/62	WATER INJECTOR	3574'/3560'	4 1/2" LINER @ 3071'- 3574' W/540 SXS PERFORATE: 3206'- 3566'(OA) - RETURN TO INJECTION DEEPEMED WELLBORE TO 3870' PERFORATE: 3176'- 3436'(OA) - RETURN TO INJECTION
			9/20/64			
H.E. WEST "B" #14	1980FSL & 1980FWL SEC 10-T17S-R31E EDDY COUNTY, NM	11/9/57	5/29/96		3870'/3870'	
			1/12/58	OIL PRODUCER	3632'/3632'	8 5/8" @ 762' W/100 SXS 7" @ 3563' W/100 SXS PERFORATE: 3380'- 3396'(OA) IP=176 BOPD PERFORATE: 3343'- 3537'(OA) CONVERT TO A WATER INJECTION WELL
			6/1/65	WATER INJECTOR		DEEPEN OPEN HOLE TO 3950' 5" LINER @ 3255'- 3950' W/170 SXS PERFORATE: 3317'- 3900'(OA) - RETURN TO INJECTION PERFORATE: 3266'- 3928'(OA) - RETURN TO INJECTION
			9/28/89		3950'/3950'	
			4/23/96			

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H.E. WEST "B" #15	1980FNL & 1980FEL SEC 10-T17S-R31E EDDY COUNTY, NM	5/8/58	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) IP=71 BOPD
			8/26/89	WATER INJECTOR	3952'/3952'	DEEPEN WELLBORE TO 3952' PERFORATE 3240' & SQUEEZE W/150 SXS 4" LINER @ 3119' - 3952' W/50 SXS
			9/21/96			PERFORATE: 3368'- 3916'(OA) CONVERT TO A WATER INJECTION WELL PERFORATE: 3206' - 3324'(OA) - RETURN TO INJECTION
H.E. WEST "B" #17	1980FSL & 660FEL SEC 9-T17S-R31E EDDY COUNTY, NM	9/2/58	10/20/58	OIL PRODUCER	3670'/3628'	10 3/4" @ 747' W/100 SXS 5 1/2" @ 3670' W/100 SXS PERFORATE: 3338'- 3356'(OA) IP=192 BOPD
			6/1/65	WATER INJECTOR		PERFORATE: 3296'- 3624'(OA) CONVERT TO A WATER INJECTION WELL
			8/23/89		3930'/3930'	DEEPENED WELLBORE TO 3930' PERFORATE: 3271'- 3649'(OA) - RETURN TO INJECTION
H.E. WEST "B" #18	660FSL & 1980FEL SEC 3-T17S-R31E EDDY COUNTY, NM	10/24/58	4/15/96			PERFORATE: 3219'- 3460'(OA) - RETURN TO INJECTION
			12/16/58	OIL PRODUCER	3725'/3716'	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
			5/7/68			PERFORATE: 3523'- 3560'(OA) - RETURN TO PRODUCTION
			7/18/89	WATER INJECTOR	3996'/3996'	DEEPENED WELLBORE TO 3996' PERFORATE: 3386'- 3705'(OA) CONVERT TO A WATER INJECTION WELL
			9/24/96		4100'/4100'	DEEPENED OPEN HOLE TO 4100' - RETURN TO INJECTION

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H.E. WEST "B" #20	660'FSL & 1980'FEL 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: 3398'- 3611'(OA)
			8/31/89	WATER INJECTOR	3971'/3971'	IP=156 BOPD DEEPEINED WELLBORE TO 3971' 4" LINER @ 3175'- 3966' W/55 SXS PERFORATE: 3353'- 3937'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #21	660'FSL & 660'FWL SEC 10-T17S-R31E EDDY COUNTY, NM	3/20/59	5/21/59	OIL PRODUCER	3802'/3802'	10 3/4" @ 734' W/100 SXS 5 1/2" @ 3802' W/125 SXS PERFORATE: 3362'- 3370'(OA)
			5/14/70 4/20/89	WATER INJECTOR	3917'/3917'	IP=214 BOPD PERFORATE: 3416'- 3775'(OA) - RETURN TO PRODUCTION DEEPEINED WELLBORE TO 3917' PERFORATE: 3294'- 3773'(OA) - RETURN TO PRODUCTION CONVERT TO A WATER INJECTION WELL
			6/28/89			
H.E. WEST "B" #22Y	660'FSL & 1990'FEL SEC 9-T17S-R31E EDDY COUNTY, NM	5/31/59	8/31/59	OIL PRODUCER	3731'/3731'	8 5/8" @ 694' W/100 SXS 5 1/2" @ 3731' W/100 SXS PERFORATE: 3260'- 3678'(OA)
			3/16/81	WATER INJECTOR	3731'/3437'	IP=15 BOPD SQUEEZED PERFORATIONS 3672'- 78' W/100 SXS SQUEEZED PERFORATIONS 3260'- 70' W/2050 SXS PERFORATE & SQUEEZE 3040'- 42' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 3558'- 72'(OA) & SWAB TEST SQUEEZED PERFORATIONS 3558'- 72' W/100 SXS TEMPORARILY ABANDONED PLUGGED & ABANDONED
			4/28/82 5/26/89		3856'/3856'	DRILL OUT CEMENT PLUGS & DEEPEINED WELLBORE TO 3856' PERFORATE: 3239'- 3676'(OA) RETURN WELL TO PRODUCTION CONVERT TO A WATER INJECTION WELL SET CIBP @ 3685' - RETURN TO INJECTION
			8/25/89 1/29/90	WATER INJECTOR	3856'/3685'	

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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 PERFORATE: 3430'- 3468'(OA) CONVERT TO A WATER INJECTION WELL DEEPENED WELLBORE TO 3916' 4" LINER @ 3277' - 3907' W/100 SXS PERFORATE: 3375'- 3807'(OA) - RETURN TO INJECTION
			3/11/66	WATER INJECTOR	3916'/3907'	
			9/9/89			
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'(OA) IP=178 BOPD
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'(OA) IP=6 BOPD SET CIBP @ 3690' PERFORATE: 3422'- 3579'(OA) CONVERT TO A WATER INJECTION WELL DEEPENED WELLBORE TO 3941' PERFORATE: 3401'- 3744'(OA) - RETURN TO INJECTION
			3/21/66	WATER INJECTOR	3757'/3690'	
			2/25/89		3941'/3941'	
H.E. WEST "B" #30	1980FSL & 1980FWL SEC 9-T17S-R31E EDDY COUNTY, NM	1/19/66	2/20/66	WATER INJECTOR	3952'/3810'	8 5/8" @ 551' W/300 SXS. CEMENT TO SURFACE. 4 1/2" @ 3952' W/470 SXS. TOC @ 1824'(CBL) PERFORATE: 3394'- 3472'(OA) COMPLETED AS A WATER INJECTION WELL PERFORATE: 3247'- 3760'(OA) - RETURN TO INJECTION PERFORATE: 3176'- 3795'(OA) - RETURN TO INJECTION
			7/13/89			
			6/27/96			
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

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H.E. WEST "B" #32	1980FSL & 660FVWL 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 PERFORATE: 2186' - 2379(OA) - RETURN TO PRODUCTION SQUEEZE PERFORATIONS 2186' - 2379' W/100 SXS PERFORATE: 3238' - 3897'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #33	1980FSL & 660FVWL 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 CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #34	1980FSL & 660FVWL SEC 10-T17S-R31E EDDY COUNTY, NM	9/26/88	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
H.E. WEST "B" #35	1980FSL & 860FVWL SEC 9-T17S-R31E EDDY COUNTY, NM	10/5/88	11/10/88	OIL PRODUCER	3815'/3721'	8 5/8" @ 460' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3815' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3732' - 3791'(OA) SET CEMENT RETAINER @ 3721' & SQUEEZE PERFORATIONS W/166 SXS PERFORATE: 3212' - 3707'(OA) IP=250 BOPD
H.E. WEST "B" #36	1980FNL & 660FVWL SEC 9-T17S-R31E EDDY COUNTY, NM	10/15/88	11/10/88	OIL PRODUCER	3883'/3861'	8 5/8" @ 541' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 3883' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3199' - 3821'(OA) IP=160 BOPD DEEPEMED WELLBORE TO 4050' CONVERT TO A WATER INJECTION WELL
			2/14/95	WATER INJECTOR	4050'/4050'	

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H.E. WEST "B" #37	1980FSL & 1980FEL	11/12/88	12/23/88	OIL PRODUCER	4082'/4038'	8 5/8" @ 627' W/400 SXS. CEMENT TO SURFACE.
	SEC 3-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 4082' W/1350 SXS. CEMENT TO SURFACE. PERFORATE: 3410' - 4009'(OA) IP=56 BOPD CLEANED OUT WELLBORE TO 4057' PERFORATE: 3337' - 4042'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #38	2085FNL & 1980FWL	10/25/88	12/16/88	OIL PRODUCER	3960'/3937'	8 5/8" @ 596' W/400 SXS. CEMENT TO SURFACE.
	SEC 10-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 3960' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3364' - 3910'(OA) IP=51 BOPD DEEPENED WELLBORE TO 4055' PERFORATE: 3294' - 3941'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #39	1980FNL & 1980FWL	12/13/88	1/26/89	OIL PRODUCER	3868'/3819'	8 5/8" @ 488' W/350 SXS. CEMENT TO SURFACE.
	SEC 9-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 3868' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 3253' - 3815'(OA) IP=58 BOPD DEEPENED WELLBORE TO 4000' PERFORATE: 3182' - 3844'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #41	660FSL & 2020FWL	1/2/89	2/15/89	OIL PRODUCER	4008'/3935'	8 5/8" @ 602' W/400 SXS. CEMENT TO SURFACE.
	SEC 10-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 4008' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3301' - 3943'(OA) IP=98 BOPD
H.E. WEST "B" #42	2105FNL & 660FEL	1/11/89	2/26/89	OIL PRODUCER	4004'/3800'	8 5/8" @ 641' W/400 SXS. CEMENT TO SURFACE.
	SEC 10-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 3985' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3398' - 3923'(OA) SET C/BP @ 3800' IP=79 BOPD

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WELL NAME	LOCATION	SPUD DATE	COMP DATE	WELL TYPE	DEPTH/BTD	COMPLETION RECORD
H.E. WEST "B" #43	660FSL & 760FWL SEC 9-T17S-R31E EDDY COUNTY, NM	1/20/89	3/4/89	OIL PRODUCER	3831'/3779'	8 5/8" @ 417' W/512 SXS. CEMENT TO SURFACE. 5 1/2" @ 3831' W/1230 SXS. CEMENT TO SURFACE. PERFORATE: 3141' - 3673'(OA) IP=180 BOPD
H.E. WEST "B" #44	720FSL & 1980FWL 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 CLEAN OUT WELLBORE TO 4234' PERFORATE: 3435' - 3968'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #45	660FSL & 1980FWL SEC 9-T17S-R31E EDDY COUNTY, NM	4/15/89	5/9/89	OIL PRODUCER	3855'/3807'	8 5/8" @ 473' W/300 SXS. CEMENT TO SURFACE. 5 1/2" @ 3855' W/1000 SXS. CEMENT TO SURFACE. PERFORATE: 3190' - 3728'(OA) IP=94 BOPD
H.E. WEST "B" #46	1880FSL & 1980FEL SEC 9-T17S-R31E EDDY COUNTY, NM	12/21/89	1/17/90	OIL PRODUCER	3938'/3918'	8 5/8" @ 541' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 3938' W/950 SXS. CEMENT TO SURFACE. PERFORATE: 3267' - 3906'(OA) IP=63 BOPD PERFORATE: 3189' - 3868'(OA) CONVERT TO A WATER INJECTION WELL
H.E. WEST "B" #48	2130FSL & 1980FEL 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" #56	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

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<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
H.E. WEST "B" #57	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" #58	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" #59	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
H.E. WEST "B" #61	2625FNL & 15FWL SEC 10-T17S-R31E EDDY COUNTY, NM	11/5/95	2/25/95	OIL PRODUCER	4350'/4298'	8 5/8" @ 606' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4341' W/1025 SXS. CEMENT TO SURFACE. PERFORATE: 3227 - 4120'(OA) IP=36 BOPD
H.E. WEST "B" #62	2625FSL & 1335FEL SEC 9-T17S-R31E EDDY COUNTY, NM	9/5/94	3/16/95	OIL PRODUCER	4350'/4323'	8 5/8" @ 566' W/345 SXS. CEMENT TO SURFACE. 5 1/2" @ 4349' W/1590 SXS. CEMENT TO SURFACE. PERFORATE: 3226 - 3909'(OA) IP=38 BOPD
H.E. WEST "B" #65	15FSL & 1335FEL SEC 3-T17S-R31E EDDY COUNTY, NM	1/13/96	2/24/96	OIL PRODUCER	4000'/3949'	8 5/8" @ 683' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 3999' W/1100 SXS. CEMENT TO SURFACE PERFORATE: 3335 - 3952'(OA) IP=39 BOPD

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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" #68	1335FSL & 1335FEL SEC 10-T17S-R31E EDDY COUNTY, NM	1/14/96	1/29/96	OIL PRODUCER	4055'/4001'	8 5/8" @ 619' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4054' W/1200 SXS. CEMENT TO SURFACE. PERFORATE:3297'- 3707'(OA) IP=66 BOPD
H.E. WEST "B" #69	1470FSL & 2550FEL SEC 10-T17S-R31E EDDY COUNTY, NM	1/7/96	1/27/96	OIL PRODUCER	4040'/4015'	8 5/8" @ 622' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4039' W/1175 SXS. CEMENT TO SURFACE. PERFORATE: 3291'- 3704'(OA) IP=95 BOPD
H.E. WEST "B" #70	1410FSL & 1305FWL SEC 10-T17S-R31E EDDY COUNTY, NM	12/31/95	2/11/96	OIL PRODUCER	4010'/3966'	8 5/8" @ 572' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4009' W/1175 SXS. CEMENT TO SURFACE. PERFORATE: 3259'- 3786'(OA) IP=56 BOPD
H.E. WEST "B" #71	1335FSL & 15FEL SEC 9-T17S-R31E EDDY COUNTY, NM	12/22/95	1/20/96	OIL PRODUCER	3960'/3913'	8 5/8" @ 552' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 3959' W/1175 SXS. CEMENT TO SURFACE. PERFORATE: 3241'- 3857'(OA) IP=65 BOPD
H.E. WEST "B" #72	660FSL & 735FEL SEC 9-T17S-R31E EDDY COUNTY, NM	1/3/95	3/16/95	OIL PRODUCER	4160'/4112'	8 5/8" @ 520' W/425 SXS. CEMENT TO SURFACE. 5 1/2" @ 4159' W/2000 SXS. CEMENT TO SURFACE. PERFORATE: 3247'- 4008'(OA) IP=16 BOPD

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H.E. WEST "B" #73	2610FNL & 1270FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/27/94	2/5/95	OIL PRODUCER	4248'/3970'	8 5/8" @ 599' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4247' W/950 SXS. CEMENT TO SURFACE. PERFORATE: 3164' - 4160'(OA) IP=77 BOPD
H.E. WEST "B" #74	686FNL & 654FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/11/95	12/20/95	OIL PRODUCER	4075'/4028'	8 5/8" @ 521' W/390 SXS. CEMENT TO SURFACE. 5 1/2" @ 4074' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 3186' - 3910'(OA) IP=130 BOPD
H.E. WEST "B" #76	1338FSL & 1330FEL SEC 3-T17S-R31E EDDY COUNTY, NM	1/5/96	2/23/96	OIL PRODUCER	4100'/4070'	8 5/8" @ 671' W/400 SXS. CEMENT TO SURFACE. 5 1/2" @ 4099' W/1125 SXS. CEMENT TO SURFACE. PERFORATE: 3373' - 4039'(OA) IP=267 BOPD
H.E. WEST "B" #79	2630FNL & 2457FWL SEC 9-T17S-R31E EDDY COUNTY, NM	2/15/95	4/24/95	OIL PRODUCER	4360'/4310'	8 5/8" @ 602' W/365 SXS. CEMENT TO SURFACE. 5 1/2" @ 4359' W/1125 SXS. CEMENT TO SURFACE. PERFORATE: 3197' - 3898'(OA) IP=18 BOPD SET RBP @ 3150' PERFORATE: 2151' - 2409'(OA) - RETURN TO PRODUCTION PULL RBP - RETURN TO PRODUCTION
H.E. WEST "B" #80	1410FSL & 193FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/25/95	1/12/96	OIL PRODUCER	4305'/4257'	8 5/8" @ 539' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4304' W/1090 SXS. CEMENT TO SURFACE. PERFORATE: 3017' - 3676'(OA) IP=154 BOPD
H.E. WEST "B" #81	2570FSL & 1356FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/18/95	1/8/96	OIL PRODUCER	4355'/4315'	8 5/8" @ 567' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4352' W/1260 SXS. CEMENT TO SURFACE. PERFORATE: 3160' - 3892'(OA) IP=15 BOPD

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H.E. WEST "B" #83	1195FNL & 1288FWL SEC 4-T17S-R31E EDDY COUNTY, NM	10/19/95	12/12/95	OIL PRODUCER	4330'/4282'	8 5/8" @ 540' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4329' W/875 SXS. CEMENT TO SURFACE. PERFORATE: 3205' - 3795'(OA) IP=173 BOPD
H.E. WEST "B" #84	2620FSL & 10FWL SEC 4-T17S-R31E EDDY COUNTY, NM	9/13/95	10/6/95	OIL PRODUCER	4320'/4275'	8 5/8" @ 516' W/380 SXS. CEMENT O SURFACE 5 1/2" @ W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 3173' - 3779'(OA) IP=70 BOPD
H.E. WEST "B" #85	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
H.E. WEST "B" #86	2588FSL & 2526FWL SEC 3-T17S-R31E EDDY COUNTY, NM	3/17/95	5/17/95	OIL PRODUCER	4360'/4320'	8 5/8" @ 607' W/325 SXS. CEMENT TO SURFACE. 5 1/2" @ 4359' W/1125 SXS. CEMENT TO SURFACE. PERFORATE: 3162' - 4167'(OA) IP=162 BOPD
H.E. WEST "B" #89	2552FNL & 75FWL SEC 9-T17S-R31E EDDY COUNTY, NM	7/2/95	9/27/95	OIL PRODUCER	4270'/4222'	8 5/8" @ 513' W/450 SXS. CEMENT TO SURFACE. 5 1/2" @ 4269' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 3123' - 4099'(OA) IP=65 BOPD
H.E. WEST "B" #90	2570FSL & 1356FWL SEC 9-T17S-R31E EDDY COUNTY, NM	11/18/95	1/8/96	OIL PRODUCER	4355'/4315'	8 5/8" @ 567' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4352' W/1260 SXS. CEMENT TO SURFACE. PERFORATE: 3160' - 3892'(OA) IP=15 BOPD
H.E. WEST "B" #91	1365FSL & 1360FWL SEC 9-T17S-R31E EDDY COUNTY, NM	12/2/95	1/12/96	OIL PRODUCER	4355'/4302'	8 5/8" @ 476' W/380 SXS. CEMENT TO SURFACE. 5 1/2" @ 4349' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3143' - 3845'(OA) IP=35 BOPD

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ARTESIA PETROLEUM CO. #2 Blanco Engineering, Inc.	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'(OA) IP=50 BOPD
ARTESIA PETROLEUM CO. #4 Blanco Engineering, Inc.	890FNL & 890FEL SEC 1-T17S-R30E EDDY COUNTY, NM	6/11/81	8/6/81	OIL PRODUCER	3320'/3310'	8 5/8" @ 370' W/375 SXS 4 1/2" @ 3310' W/4050 SXS PERFORATE: 2912' - 2986'(OA) IP=1 BOPD
CARPER #6 Xeric Oil & Gas Corporation	660FSL & 1980FWL SEC 34-T16S-R31E EDDY COUNTY, NM	4/4/46	6/7/46	OIL PRODUCER	3592'/3592'	8 5/8" @ UNK W/50 SXS 5 1/2" @ 3363' W/100 SXS OPEN HOLE COMPLETION: 3363' - 3592' IP=150 BOPD
DOOLIN #1 Kennedy Oil Company	660FSL & 1980FWL SEC 32-T16S-R31E EDDY COUNTY, NM	1/5/60	2/10/60	OIL PRODUCER	3750'/3750'	9 5/8" @ 358' W/150 SXS 5 1/2" @ 3370' W/600 SXS OPEN HOLE COMPLETION: 3370' - 3750' IP=42 BOPD PLUGGED & ABANDONED
FOSTER-EDDY #3 Marbob Energy Corporation	1980FNL & 1980FWL SEC 17-T17S-R31E EDDY COUNTY, NM	4/1/43	6/20/43	OIL PRODUCER	3520'/3520'	8 5/8" @ 543' W/50 SXS 7" @ 2913' W/100 SXS OPEN HOLE COMPLETION: 2913' - 3520' IP=80 BOPD
FOSTER-EDDY #4 Oryx Energy Company	660FNL & 1980FWL SEC 17-T17S-R31E EDDY COUNTY, NM	8/22/43	1/21/44	OIL PRODUCER	3505'/3505'	8 1/2" @ 532' W/50 SXS 7" @ 2908' W/100 SXS OPEN HOLE COMPLETION: 2908' - 3505' IP=50 BOPD PLUGGED & ABANDONED

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FOSTER-EDDY #5 Marbob Energy Corporation	660FNL & 1980FEL SEC 17-T17S-R31E EDDY COUNTY, NM	1/27/44	4/30/44	OIL PRODUCER	3592'/3592'	8 5/8" @ 560' W/50 SXS 7" @ 2964' W/125 SXS OPEN HOLE COMPLETION: 2964' - 3592' IP=50 BOPD
FOSTER-EDDY #6 Marbob Energy Corporation	990FNL & 2310FWL SEC 17-T17S-R31E EDDY COUNTY, NM	5/5/89	7/6/89	OIL PRODUCER	5540'/5514'	8 5/8" @ 474' W/400 SXS 5 1/2" @ 5517' W/4525 SXS PERFORATE: 3090' - 3478'(OA) IP=88 BOPD
FOSTER-EDDY #7 Marbob Energy Corporation	330FNL & 1650FEL SEC 17-T17S-R31E EDDY COUNTY, NM	11/15/90	1/2/91	OIL PRODUCER	5540'/5520'	8 5/8" @ 464' W/300 SXS 5 1/2" @ 5520' W/1925 SXS PERFORATE: 2977' - 3836'(OA) IP=42 BOPD
FOSTER-EDDY #8 Marbob Energy Corporation	330FNL & 1650FWL SEC 17-T17S-R31E EDDY COUNTY, NM	9/13/89	12/5/89	OIL PRODUCER	6035'/4875'	8 5/8" @ 462' W/300 SXS 5 1/2" @ 6022' W/4400 SXS PERFORATE: 2888' - 3813'(OA) IP=70 BOPD
GRIER "A" #1 Xeric Oil & Gas Corporation	1980FSL & 1682FWL SEC 31-T16S-R31E EDDY COUNTY, NM	6/30/42	7/14/42	OIL PRODUCER	3170'/3170'	8 1/4" @ 525' W/50 SXS 7" @ 2838' W/100 SXS OPEN HOLE COMPLETION: 2838' - 3170' IP=85 BOPD
GRIER "B" #2 Xeric Oil & Gas Corporation	1370FSL & 977FWL SEC 31-T16S-R31E EDDY COUNTY, NM	12/23/83	2/2/84	OIL PRODUCER	3370'/3356'	8 5/8" @ 514' W/425 SXS 5 1/2" @ 3356' W/1320 SXS PERFORATE: 3062' - 3169'(OA) IP=112 BOPD
GRIER #1 Everts Drilling Company	330FSL & 330FEL SEC 31-T16S-R31E EDDY COUNTY, NM	9/25/39	6/16/40	D & A	3854'/3854'	8 1/4" @ 563' W/50 SXS 7" @ 2750' W/25 SXS DRY & ABANDONED

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GRIER #3 McDonald-Williams	660FSL & 512FWL SEC 31-T16S-R31E EDDY COUNTY, NM	11/14/42	2/1/43	OIL PRODUCER	3157'/3157'	8 1/4" @ 550' W/50 SXS 5 1/2" @ 2900' W/100 SXS OPEN HOLE COMPLETION: 2900' - 3157' IP=50 BOPD PLUGGED & ABANDONED
GRIER #4 McDonald-Williams	660FSL & 1684FWL SEC 31-T16S-R31E EDDY COUNTY, NM	3/14/43	7/11/43	OIL PRODUCER	3574'/3574'	8 1/4" @ 591' W/50 SXS 5 1/2" @ 2947' W/100 SXS OPEN HOLE COMPLETION: 2947' - 3574' IP=49 BOPD PLUGGED & ABANDONED
GRIER #6 Anadarko Petroleum, Inc.	1980FSL & 1980FEL SEC 31-T16S-R31E EDDY COUNTY, NM	2/18/43	4/11/43	OIL PRODUCER	3184'/3184'	8 1/4" @ 500' W/50 SXS 5 1/2" @ 2988' W/100 SXS OPEN HOLE COMPLETION: 2988' - 3184' IP=600 BOPD
GRIER #18 Xeric Oil & Gas Corporation	660FSL & 1980FEL SEC 31-T16S-R31E EDDY COUNTY, NM	5/1/83	6/30/83	OIL PRODUCER	3425'/3424'	8 5/8" @ 520' W/400 SXS 5 1/2" @ 3424' W/1600 SXS PERFORATE: 3084' - 3320'(OA) IP=72 BOPD
JOHNSON #8 Xeric Oil & Gas Corporation	1980FSL & 660FWL SEC 34-T16S-R31E EDDY COUNTY, NM	6/23/45	10/6/45	OIL PRODUCER	3728'/3728'	8 5/8" @ 775' W/50 SXS 5 1/2" @ 3396' W/100 SXS OPEN HOLE COMPLETION: 3396' - 3728' IP=200 BOPD
JOHNSON #10 Xeric Oil & Gas Corporation	660FSL & 660FWL SEC 34-T16S-R31E EDDY COUNTY, NM	9/20/46	11/17/46	OIL PRODUCER	3703'/3703'	8 5/8" @ 745' W/50 SXS 5 1/2" @ 3400' W/100 SXS OPEN HOLE COMPLETION: 3400' - 3703' IP=90 BOPD
JOHNSON #14 G.B. Suppes	510FSL & 2130FEL SEC 33-T16S-R31E EDDY COUNTY, NM	5/20/48	7/18/48	D & A	3798'/3798'	8 1/4" @ 532' W/50 SXS 5 1/2" @ 3279' W/150 SXS DRY & ABANDONED

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JOHNSON #16 Xeric Oil & Gas Corporation	330FSL & 2310FEL SEC 33-T16S-R31E EDDY COUNTY, NM	6/6/55	7/24/55	OIL PRODUCER	3597'/3597'	8 5/8" @ 583' W/50 SXS 5 1/2" @ 3561' W/50 SXS PERFORATE: 3428' - 3440'(OA) & OPEN HOLE: 3561' - 3597' IP=47 BOPD
KENNEDY #4 Xeric Oil & Gas Corporation	660FSL & 660FWL SEC 33-T16S-R31E EDDY COUNTY, NM	4/22/61	5/22/61	OIL PRODUCER	3562'/3562'	8 5/8" @ 539' W/175 SXS 5 1/2" @ 3562' W/200 SXS PERFORATE: 3274' - 3521'(OA) IP=54 BOPD
KENNEDY #5 Xeric Oil & Gas Corporation	1980FSL & 660FWL SEC 33-T16S-R31E EDDY COUNTY, NM	7/10/61	8/4/61	OIL PRODUCER	3553'/3553'	8 5/8" @ 393' W/150 SXS 5 1/2" @ 3553' W/200 SXS PERFORATE: 3285' - 3530'(OA) IP=110 BOPD
KERSEY #1 Ray Westall	660FNL & 1980FEL SEC 16-T17S-R31E EDDY COUNTY, NM	2/10/38	5/16/38	OIL PRODUCER	3678'/3678'	8 1/4" @ 635' W/50 SXS 7" @ 3138' W/100 SXS OPEN HOLE COMPLETION: 3138' - 3678' IP=40 BOPD DEEPEENED OPEN HOLE TO 3780' 4 1/2" @ 3780' W/300 SXS PERFORATE: 3453' - 3749'(OA) - RETURN TO PRODUCTION
KERSEY #3 Ray Westall	330FNL & 330FWL SEC 16-T17S-R31E EDDY COUNTY, NM	4/25/89	5/10/89	OIL PRODUCER	3680'/3622'	8 5/8" @ 420' W/250 SXS 5 1/2" @ 3680' W/1275 SXS PERFORATIONS: 3109' - 3622'(OA) IP=65 BOPD
LAST CHANCE FEDERAL #1 Ray Westall	1650FNL & 2310FEL SEC 17-T17S-R31E EDDY COUNTY, NM	4/5/83	7/10/83	OIL PRODUCER	3620'/3612'	8 5/8" @ 574' W/400 SXS 5 1/2" @ 3612' W/1000 SXS PERFORATE: 2806' - 3600'(OA) IP=10 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/PBD</u>	<u>COMPLETION RECORD</u>
LEA "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=35 BOPD DEEPENED WELLBORE TO 3952' 4 1/2" LINER @ 3610' - 3952' W/75 SXS PERFORATE: 3430' - 3932'(OA) - RETURN TO PRODUCTION
LEA "C" #7 Texaco Expl & Prod, Inc.	1980FNL & 1980FWL SEC 11-T17S-R31E EDDY COUNTY, NM	4/21/72	5/9/72	OIL PRODUCER	3970'/3969'	8 5/8" @ 610' W/350 SXS 5 1/2" @ 3969' W/1600 SXS PERFORATE: 3407' - 3895'(OA) IP=70 BOPD
LEA "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 5 1/2" @ 3939' W/1600 SXS PERFORATE: 3385' - 3883'(OA) IP=40 BOPD
LEA "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 5 1/2" @ 3930' W/1600 SXS PERFORATE: 3361' - 3872'(OA) IP=78 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 DEEPENED WELLBORE TO 3206' - RETURN TO PRODUCTION
LOE, H.J. #5 Xeric Oil & Gas Corporation	660FSL & 330FWL SEC 31-T16S-R31E EDDY COUNTY, NM	8/2/84	9/4/84	OIL PRODUCER	3350'/3346'	8 5/8" @ 497' W/450 SXS 5 1/2" @ 3346' W/3250 SXS PERFORATE: 3025' - 3108'(OA) IP=40 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/BTD</u>	<u>COMPLETION RECORD</u>
SHELL #1 Kersey & Company	330FNL & 330FEL SEC 16-T17S-R31E EDDY COUNTY, NM	7/14/60	12/1/60	OIL PRODUCER	3778'/3775'	8 5/8" @ 677' W/50 SXS 4 1/2" @ 3775' W/325 SXS PERFORATE: 3288' - 3428'(OA) IP=20 BOPD PLUGGED & ABANDONED
SKELLY UNIT #17 Wiser Oil Company	660FNL & 1980FEL SEC 15-T17S-R31E EDDY COUNTY, NM	6/3/59	8/8/59	OIL PRODUCER	3666'/3555'	8 5/8" @ 780' W/95 SXS 5 1/2" @ 3555' W/360 SXS PERFORATE: 3350' - 3402'(OA) IP=130 BOPD
SKELLY UNIT #18 Wiser Oil Company	660FNL & 660FWL SEC 15-T17S-R31E EDDY COUNTY, NM	8/5/59	9/16/59	OIL PRODUCER	3611'/3510'	8 5/8" @ 770' W/90 SXS 5 1/2" @ 3510' W/345 SXS PERFORATE: 3302' - 3460'(OA) IP=129 BOPD
SKELLY UNIT #19 Texaco Expl & Prod, Inc.	1980FNL & 1960FWL SEC 15-T17S-R31E EDDY COUNTY, NM	8/13/60	10/18/60	OIL PRODUCER	3670'/3670'	8 5/8" @ 780' W/100 SXS 5 1/2" @ 3520' W/385 SXS PERFORATE: 3285' - 3588'(OA) IP=43 BOPD
SKELLY UNIT #106 Wiser Oil Company	660FNL & 1980FWL SEC 15-T17S-R31E EDDY COUNTY, NM	1/9/71	2/19/71	OIL PRODUCER	3692'/3692'	8 5/8" @ 626' W/300 SXS 5 1/2" @ 3692' W/1350 SXS PERFORATE: 3282' - 3510'(OA) IP=65 BOPD
STATE "AE" #1 Xeric Oil & Gas Corporation	990FNL & 990FEL SEC 16-T17S-R31E EDDY COUNTY, NM	12/17/81	4/11/82	OIL PRODUCER	3600'/3600'	8 5/8" @ 682' W/500 SXS 5 1/2" @ 3600' W/700 SXS PERFORATE: 3319' - 3382'(OA) IP=8 BOPD
STATE "B" #3 W-K Royalty Company	660FNL & 1980FWL SEC 16-T17S-R31E EDDY COUNTY, NM	4/15/39	7/4/39	D & A	3805'/3805'	8 5/8" @ 628' W/50 SXS 7" @ 3063' W/100 SXS OPEN HOLE: 3063' - 3805' DRY & ABANDONED

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
STATE #9 Mack Energy Corporation	660FSL & 1980FWL	8/6/58	8/23/58	D & A	3763/3763'	8 5/8" @ 415' W/200 SXS OPEN HOLE: 415' - 3763'
	SEC 2-T17S-R31E EDDY COUNTY, NM					DRY & ABANDONED RE-ENTER, DRILL OUT PLUGS AND DEEPEINED OPEN HOLE TO 3998'
TEXAS TRADING #5 Newmont Oil Company	1980FSL & 1980FWL	1/19/45	5/2/45	OIL PRODUCER	3616/3616'	5 1/2" @ 3846' W/175 SXS PERFORATE: 3494' - 3782'(OA) IP=72 BOPD
	SEC 33-T16S-R31E EDDY COUNTY, NM					8 1/4" @ 705' W/50 SXS 5 1/2" @ 3357' W/100 SXS OPEN HOLE COMPLETION: 3357' - 3616' IP=136 BOPD
TEXAS TRADING #6 Newmont Oil Company			8/20/82	WATER INJECTOR	3616/3470'	3 1/2" @ 3470' W/400 SXS PERFORATE: 3301' - 3424'(OA) ATTEMPT TO CONVERT TO WATER INJECTION PLUGGED & ABANDONED
	1980FSL & 660FEL	5/29/45	3/1/46	OIL PRODUCER	3705/3705'	8 5/8" @ 765' W/50 SXS 5 1/2" @ 3380' W/16 SXS OPEN HOLE COMPLETION: 3380' - 3705' IP=20 BOPD
TEXAS TRADING #7 Yates Petroleum Corp.			8/8/82	WATER INJECTOR	3705/3697'	4" LINER @ 3355' - 3697' W/35 SXS PERFORATE: 3450' - 3654'(OA) ATTEMPT TO CONVERT TO WATER INJECTION PLUGGED & ABANDONED
	810FSL & 1980FWL	10/14/45	12/14/45	OIL PRODUCER	3617/3617'	8 5/8" @ 720' W/50 SXS 5 1/2" @ 3326' W/100 SXS OPEN HOLE COMPLETION: 3326' - 3617' IP=75 BOPD
TEXAS TRADING #9 Xeric Oil & Gas Corporation	660FSL & 660FEL	12/25/63	1/20/64	WATER INJECTOR	3836/3836'	8 5/8" @ UNK W/UNK SXS 5 1/2" @ 3836' W/150 SXS PERFORATE: UNKNOWN COMPLETED AS A WATER INJECTION WELL
	SEC 33-T16S-R31E EDDY COUNTY, NM					

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/IBTD</u>	<u>COMPLETION RECORD</u>
TIDEWATER #1 Xeric Oil & Gas Corporation	1980FSL & 660FEL SEC 32-T16S-R31E EDDY COUNTY, NM	2/12/62	3/21/62	OIL PRODUCER	3520'/3520'	8 5/8" @ 350' W/250 SXS 5 1/2" @ 3520' W/175 SXS PERFORATE: 3304'- 3498'(OA) IP=39 BOPD
TIDEWATER #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 #2 Xeric Oil & Gas Corporation	660FSL & 1980FEL SEC 32-T16S-R31E EDDY COUNTY, NM	3/14/62	4/18/62	OIL PRODUCER	3478'/3478'	8 5/8" @ 349' W/160 SXS 5 1/2" @ 3478' W/250 SXS PERFORATE: 3207'- 3375'(OA) IP=49 BOPD
TIDEWATER #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
W. SQUARE LAKE UNIT #10 J. Cleo Thompson	660FSL & 660FEL SEC 36-T16S-R30E EDDY COUNTY, NM	4/4/46	6/6/46	OIL PRODUCER	3147'/3147'	8 5/8" @ 570' W/50 SXS 5 1/2" @ 2943' W/100 SXS OPEN HOLE COMPLETION: 2943'- 3147' IP=100 BOPD
H.E. WEST "A" #1 Repollo Oil Company	660FNL & 1980FWL SEC 3-T17S-R31E EDDY COUNTY, NM	7/17/46	9/25/46	D & A	3690'/3690'	10 3/4" @ 806' W/100 SXS 8 5/8" @ 2887', LANDED NOT CEMENTED 7" @ 3570' W/50 SXS OPEN HOLE: 3570'- 3690' DRY & ABANDONED
WESTERN DEVELOPMENT #1 Xeric Oil & Gas Corporation	660FSL & 660FEL SEC 32-T16S-R31E EDDY COUNTY, NM	6/30/61	8/15/61	OIL PRODUCER	3510'/3510'	8 5/8" @ 336' W/250 SXS 5 1/2" @ 3510' W/175 SXS PERFORATE: 3240'- 3481'(OA) IP=55 BOPD

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: HUDSON FEDERAL #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 990'FNL & 330'FWL, SEC 17-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3721'; KB=UNK			SPUD DATE: 11/07/41		COMP DATE: 02/01/42	
API#: 30-015-05180		PREPARED BY: C.H. CARLETON			DATE: 11/22/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 649'	8 5/8"	28#			
CASING:	0' - 2803'	7"	20#			
CASING:						
TUBING:						
TUBING:						

☒ CURRENT
 ☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 04/19/79

CEMENT PLUG: 0'- 50'
 CEMENT RETAINER @ 560'. PUMP 100 SXS BELOW & CAP WITH 4 SXS.
 8 5/8" CASING, SET W/50 SXS. TOC @ 410'(calculated)
 PERFORATE 7" CASING @ 660'.

CEMENT PLUG: 1000'- 1200'

CEMENT RETAINER @ 2500', PUMP 300 SXS BELOW & CAP WITH 2 SXS.

7" CASING SET W/100 SXS. TOC @ 1480'(calculated)

OPEN HOLE COMPLETION: 2803'- 3500'

TD @ 3500'

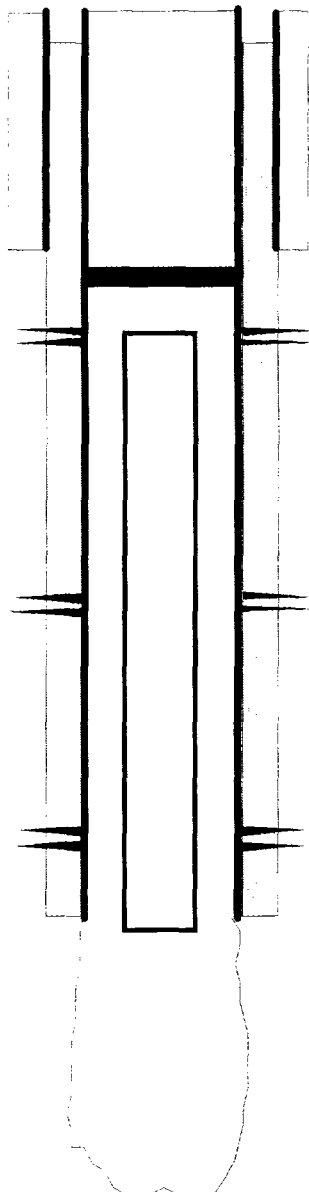
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: J.L. KEEL "A" #19	FIELD: GRAYBURG-JACKSON	
LOCATION: 1350'FSL & 1320'FEL, SEC 7-T17S-R31E	COUNTY: EDDY	STATE: NM
ELEVATION: GL=3798'; KB=3810'	SPUD DATE: 08/15/94	COMP DATE: 11/24/94
API#: 30-015-28040	PREPARED BY: C.H. CARLETON	DATE: 03/07/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 519'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 1047'	4 1/2"	11.6#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	673' - 1056'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☒ CURRENT

☐ PROPOSED

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

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

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

PERFORATIONS: 860'- 880' (40 HOLES)

PERFORATIONS: 940'- 970' (60 HOLES)

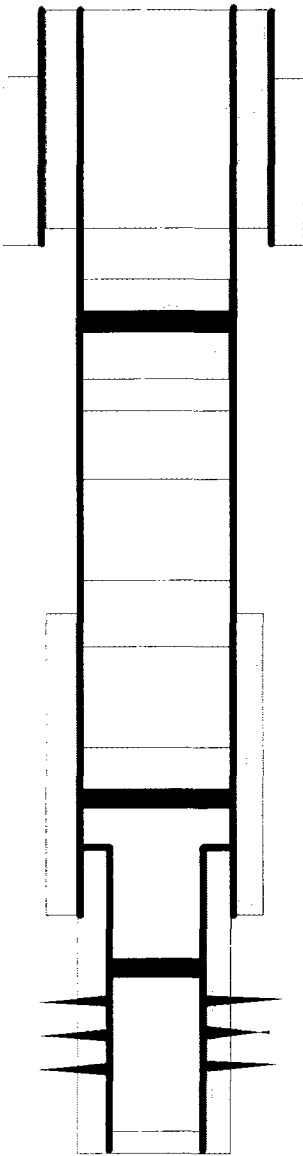
4 1/2" CASING SET W/1150 SXS. TOC @ 75' (TEMP SURVEY).
BOTTOM OF STUCK TUBING @ 1056'.

OPEN HOLE COMPLETION: 1047'- 1375'

TD @ 1375'

VI Wellbore Schematic of Plugged Wells:

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



☒ CURRENT
 ☐ PROPOSED

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

CEMENT PLUG: 0' - 600'
 PERF 7" CASING @ 600'.
 8 5/8" CASING, SET W/100 SXS. TOC @ 170' (calculated)

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

CEMENT PLUG: 1270' - 1400'

CEMENT PLUG: 1950' - 2080'

CIBP @ 2895', CAP WITH 130' CEMENT.

TOP OF 5" LINER @ 3002'
 7" CASING SET W/200 SXS. TOC @ 1470' (calculated)

CIBP @ 3090'

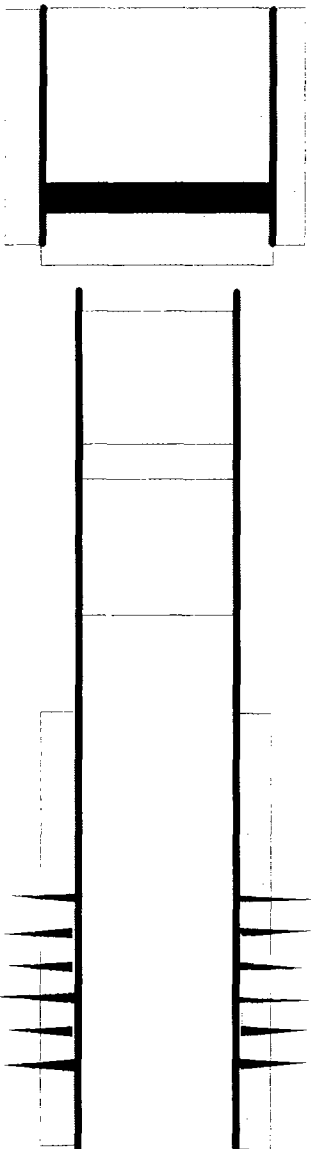
PERFORATIONS: 3140' - 3756' (164 HOLES)

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

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: J.L. KEEL "B" #28			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 660'FEL, SEC 8-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3816'; KB=UNK			SPUD DATE: 10/23/64		COMP DATE: 11/10/64	
API#: 30-015-10470		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 550'	8 5/8"	24#			11"
CASING:	597' - 3800'	4 1/2"	9.5#			6 3/4"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 08/30/79

CEMENT RETAINER @ 482', PUMP 500 SXS BELOW & CAP W/130 SXS.
 8 5/8" CASING, SET W/225 SXS. TOC @ SURFACE.

4 1/2" CASING PARTED @ 597'.

SPOT CEMENT PLUG @ 998' WITH 300 SXS.

SPOT CEMENT PLUG @ 1250' WITH 300 SXS.

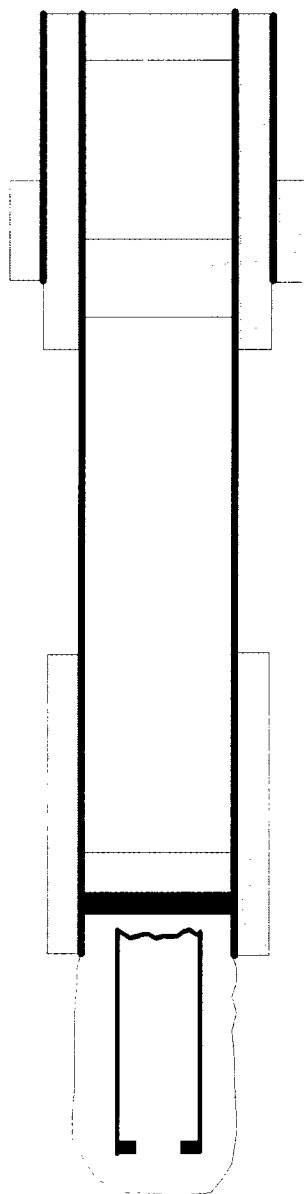
PERFORATIONS: 3118'- 3500' (190 HOLES)

4 1/2" CASING SET W/360 SXS. TOC @ 2220'
 TD @ 3800'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: H.E WEST "A" #10			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FWL, SEC 3-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3975'; KB=UNK; DF=UNK			SPUD DATE: 03/09/56		COMP DATE: 05/06/56	
API#: 30-015-05053		PREPARED BY: C.H. CARLETON			DATE: 01/08/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 788'	8 5/8"	32#			
CASING:	0' - 3261'	5 1/2"	14#			
CASING:						
TUBING:	3177' - 3445'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 02/03/81

CEMENT PLUG: 0'- 90'

CEMENT PLUG: 700'- 850' W/18 SXS

8 5/8" CASING, SET W/100 SXS. TOC @ 530' (calc)

CIRCULATE CEMENT IN 5 1/2"-8 5/8" ANNULUS 0'- 894' W/184 SXS

CEMENT PLUG: 3006'- 3106' W/12 SXS

CIBP @ 3110'

5 1/2" CASING SET W/200 SXS. TOC @ 2070' (CBL)

FISH: 2 7/8" TUBING 3177'- 3445'

OPEN HOLE COMPLETION: 3261'- 3673'

TD @ 3673'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: 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'

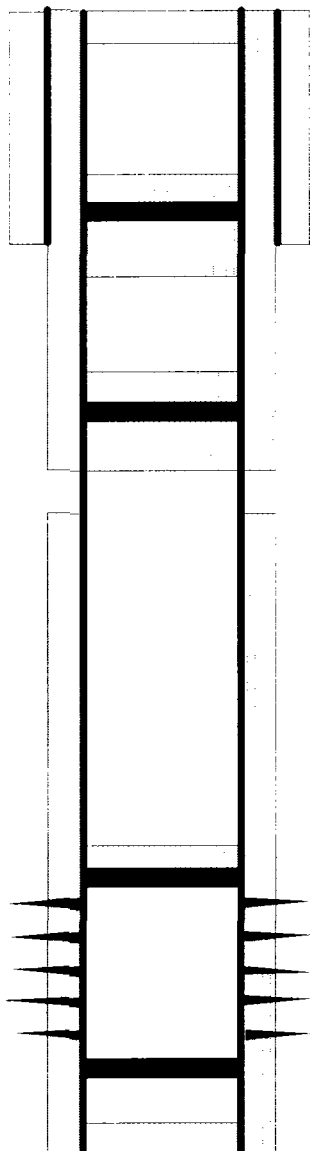
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: 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: 02/20/97

	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:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 09/14/96

CEMENT PLUG: 0' - 62' W/5 SXS

CEMENT RETAINER @ 767', PUMP 65 SXS BELOW & CAP W/41' CMT.

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

PERFORATE 4 1/2" CASING @ 860' W/4 HOLES

CEMENT RETAINER @ 1420', PUMP 50 SXS BELOW & CAP W/45' CMT.

4 1/2" CASING PATCH @ 1464'. CEMENT TO SURFACE.

PERFORATE 4 1/2" CASING @ 1520' W/4 HOLES

CIBP @ 3310' & CAPPED WITH 13' CEMENT

PERFORATIONS: 3322'- 3989' (OA)

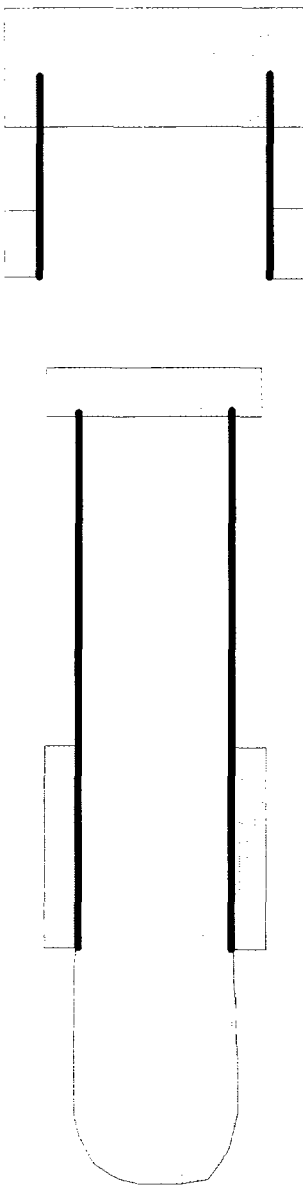
CIBP @ 4300'

4 1/2" CASING SET W/850 SXS. TOC @ 1800'

TD @ 5515'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: H.E. WEST "B" #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FSL & 990'FEL, SEC 9-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3870'; KB=UNK; DF=UNK			SPUD DATE: 11/01/37		COMP DATE: 02/01/38	
API#: 30-015-05115		PREPARED BY: C.H. CARLETON			DATE: 02/21/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	81' - 695'	9 5/8"	40#			
CASING:	980' - 3570'	7"	24#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 01/01/40(ORIGINAL), 09/27/89(FINAL)

CEMENT PLUG: 0' - 175' W/200 SXS
 CUT 9 5/8" CASING @ 81'
 9 5/8" CASING, SET W/50 SXS. TOC @ 600' (calculated)

CUT 7" CASING @ 980' AND CAP WITH 15 SXS(+/-57')

CEMENT PLUG: 3420' - 3727' WITH 50 SXS
 7" CASING SET W/100 SXS. TOC @ 2760' (calculated)

OPEN HOLE COMPLETION: 3570' - 3727'

PBTD @ 3727 WITH PEA GRAVEL
 TD @ 3757'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: H.E. WEST "B" #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FWL, SEC 4-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3931'; KB=UNK			SPUD DATE: 06/27/46		COMP DATE: 10/02/46	
API#: 30-015-05062		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 666'	8 5/8"	32#			10"
CASING:	0' - 3097'	7"	24#			8"
CASING:						
TUBING:						
TUBING:						

☒ CURRENT ☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 05/16/81

CEMENT PLUG: 0' - 60'
 CEMENT PLUG: 582' - 682'
 8 5/8" CASING, SET W/125 SXS. TOC @ 80' (calculated)

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

CEMENT RETAINER @ 1759'. PUMP 250 SXS BELOW RETAINER.
 PERF 7" CASING @ 1818' - 1820' (2 SPF).

CEMENT RETAINER @ 3007'. PUMP 150 SXS BELOW & CAP W/30' CMT.
 7" CASING SET W/125 SXS. TOC @ 1860' (Temp Survey)

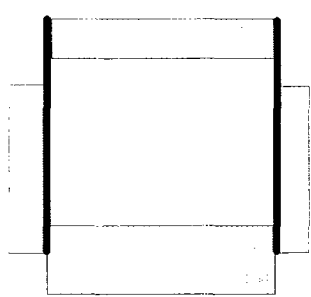
OPEN HOLE COMPLETION: 3097' - 3429'

TD @ 3429'

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

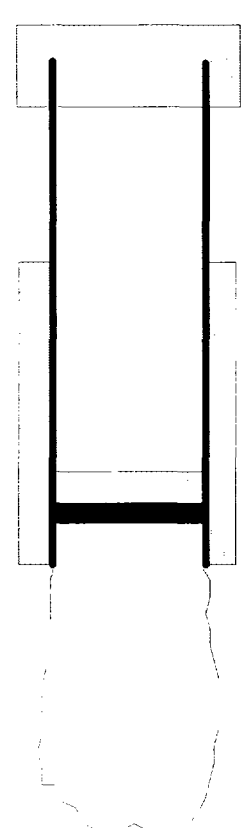
VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: DOOLIN #1			FIELD: SQUARE LAKE			
LOCATION: 660'FSL & 1980'FWL, SEC 32-T16S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=UNK; DF=3874'			SPUD DATE: 01/05/60		COMP DATE: 02/10/60	
API#: 30-015-04955		PREPARED BY: C.H. CARLETON			DATE: 03/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 358'	9 5/8"				
CASING:	0' - 3370'	5 1/2"				
CASING:						
TUBING:						
TUBING:						



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

CEMENT PLUG: 0'- 50'
 CEMENT PLUG: 340'- 440'
 9 5/8" CASING, SET W/150 SXS. TOC @ 40' (calculated)



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

CIBP @ 3124', CAP WITH 35' CEMENT.
 5 1/2" CASING SET W/600 SXS. TOC @ 1800' (calculated)

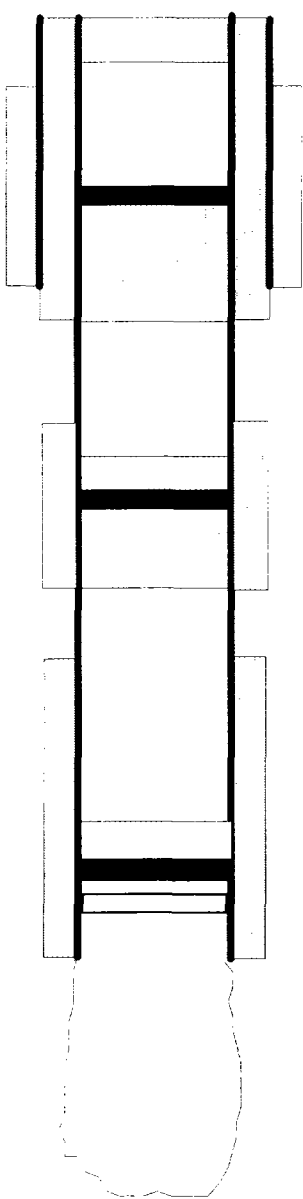
OPEN HOLE COMPLETION: 3370'- 3750'

TD @ 3750'


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

VI Wellbore Schematic of Plugged Wells:


DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: FOSTER-EDDY FEDERAL #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FWL, SEC 17-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=UNK; KB=UNK; DF=3710'			SPUD DATE: 08/22/43		COMP DATE: 01/11/44	
API#: 30-015-05195		PREPARED BY: C.H. CARLETON			DATE: 04/23/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 525'	8 5/8"	28#			
CASING:	0' - 2908'	7"	24#			
CASING:						
TUBING:						
TUBING:						



The diagram shows a vertical wellbore with various casing and tubing sections. The sections are labeled with their depths and sizes. The casing is shown in solid black, and the tubing is shown in white with black outlines. The wellbore is divided into sections by horizontal lines representing cement retainers and perforations.



CURRENT



PROPOSED

OPERATOR: ORYX ENERGY COMPANY
DATE PLUGGED: 09/11/82

CEMENT PLUG: 0' - 80'
 CEMENT RETAINER @ 310', PUMP 100 SXS BELOW RETAINER.
 8 5/8" CASING, SET W/50 SXS. TOC @ 290' (calculated)
 PERFORATE 7" CASING @ 550' - 551'

CEMENT RETAINER @ 1018', PUMP 100 SXS BELOW & CAP W/10 SXS.
 PERFORATE 7" CASING @ 1350' - 1351'

CIBP @ 2850', CAP WITH 7 SXS.
 BAKER "AD-1" PACKER @ 2869'
 7" CASING SET W/100 SXS. TOC @ 1980' (calculated)

OPEN HOLE COMPLETION: 2908' - 3505'

TD @ 3505'

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

VI Wellbore Schematic of Plugged Wells:

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

☒ CURRENT

☐ PROPOSED

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

8 1/4" CASING, SET W/50 SXS. TOC @ 390' (calculated)

NOTE: LOCATION OF PLUGS ARE UNKNOWN, PLUGGING REPORTS WERE UNAVAILABLE THROUGH THE BLM AND OCD.

7" CASING SET W/25 SXS. TOC @ 2550' (calculated)

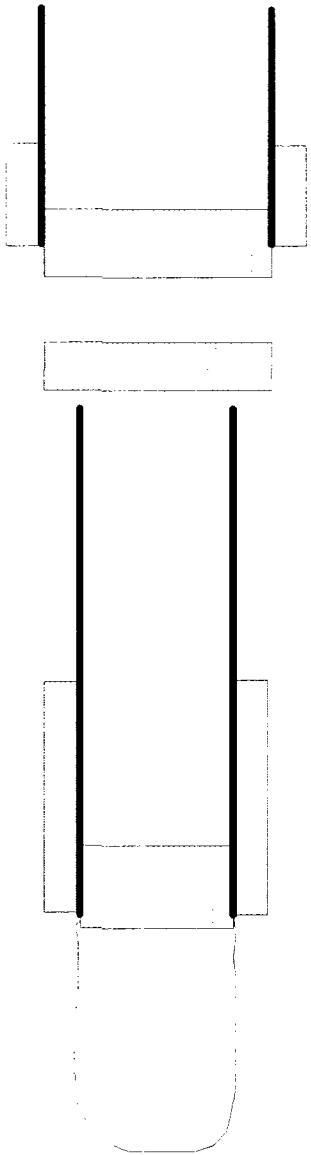
OPEN HOLE COMPLETION: 2750' - 3854'

TD @ 3854'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: GRIER #3			FIELD: SQUARE LAKE			
LOCATION: 660'FSL & 512'FWL, SEC 31-T16S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3799, KB=UNK			SPUD DATE: 11/11/42		COMP DATE: 02/01/43	
API#: 30-015-04950		PREPARED BY: C.H. CARLETON			DATE: 02/27/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	220' - 550'	8 1/4"	28#			
CASING:	1660' - 2900'	5 1/2"	17#			
CASING:						
TUBING:						
TUBING:						



CURRENT
 PROPOSED

OPERATOR: McDANNALDS & WILLIAMS
DATE PLUGGED: 09/10/48

CUT 8 1/4" CASING @ 220'
 CEMENT PLUG: 540'- 575' W/10 SXS
 8 1/4" CASING, SET W/50 SXS. TOC @ 440' (calc)

CEMENT PLUG: 1375'- 1410' W/10 SXS
 CUT 5 1/2" CASING @ 1660'

NOTE: HEAVY MUD BETWEEN ALL PLUGS AND TO SURFACE.

CEMENT PLUG: 2890'- 2930' W/15 SXS
 5 1/2" CASING SET W/100 SXS. TOC @ 2520' (calc)

OPEN HOLE: 2900'- 3157'

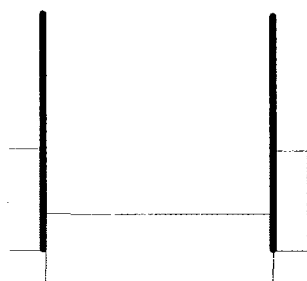
TD @ 3157'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: GRIER #4			FIELD: SQUARE LAKE			
LOCATION: 660'FSL & 1684'FWL, SEC 31-T16S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3811 ; KB=UNK			SPUD DATE: 03/14/43		COMP DATE: 07/07/43	
API#: 30-015-04951		PREPARED BY: C.H. CARLETON				DATE: 02/25/97
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	35' - 591'	8 1/4"	32#			
CASING:	1578' - 2947'	5 1/2"	17#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

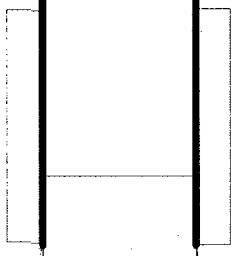
OPERATOR: McDANNALDS & WILLIAMS
DATE PLUGGED: 09/10/48

CUT 8 1/4" CASING @ 35'
CEMENT PLUG: 475'- 510' W/10 SXS
8 1/4" CASING, SET W/50 SXS. TOC @ 480' (calc)



CEMENT PLUG: 1365'- 1400' W/10 SXS
CUT 5 1/2" CASING @ 1578'

NOTE: HEAVY MUD BETWEEN ALL PLUGS AND TO SURFACE.



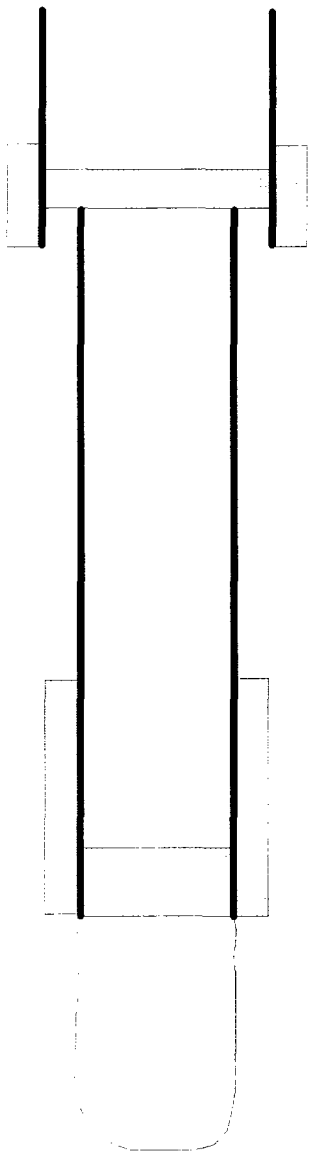
CEMENT PLUG: 2935'- 2975' W/15 SXS
5 1/2" CASING SET W/100 SXS. TOC @ 2560' (calc)

OPEN HOLE: 2947'- 3574'

TD @ 3574'

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: JOHNSON "B" #14			FIELD: SQUARE LAKE			
LOCATION: 510'FSL & 2130'FEL, SEC 33-T16S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3964, KB=UNK			SPUD DATE: 05/20/48		COMP DATE: 07/18/48	
API#: 30-015-05027		PREPARED BY: C.H. CARLETON			DATE: 02/25/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 532'	8 5/8"	24#			
CASING:	510' - 3280'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



The diagram shows a vertical wellbore. The left column represents casing, with a solid line for 0' to 532' and a dashed line for 510' to 3280'. The right column represents tubing, with a solid line for 0' to 532' and a dashed line for 510' to 3280'. A horizontal line at 3280' indicates the top of the open hole. The bottom of the well is marked as TD @ 3798'.

☒ CURRENT ☐ PROPOSED

OPERATOR: G.B. SUPPES
DATE PLUGGED: 07/18/48 (DRY & ABNDONED)

CEMENT PLUG: 475'- 510' W/10 SXS
 CUT 5 1/2" CASING @ 510'
 8 5/8" CASING, SET W/50 SXS. TOC @ 400' (calc)

NOTE: HEAVY MUD BETWEEN ALL PLUGS AND TO SURFACE.

CEMENT PLUG: 3185'- 3282' W/10 SXS
 5 1/2" CASING SET W/150 SXS. TOC @ 2710' (calc)

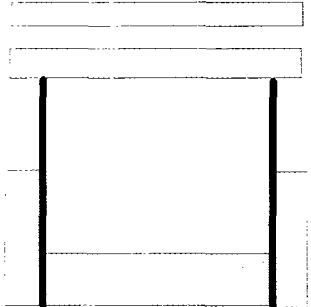
OPEN HOLE: 3280'- 3798'

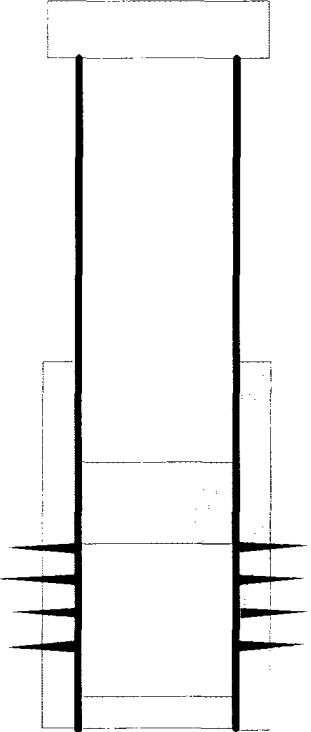
TD @ 3798'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: SHELL #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 330°FNL & 330°FEL, SEC 16-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=UNK; KB=UNK; DF=3876'			SPUD DATE: 07/15/60		COMP DATE: 12/01/60	
API#: 30-015-05166		PREPARED BY: C.H. CARLETON			DATE: 02/27/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	200' - 677'	8 5/8"	24#			10"
CASING:	1300' - 3775'	4 1/2"	9.5#			8"
CASING:						
TUBING:						
TUBING:						





☒ CURRENT
☐ PROPOSED

OPERATOR: KERSEY & COMPANY
DATE PLUGGED: 05/25/69
 CEMENT PLUG @ SURFACE, DEPTH AND SACKS USED UNKNOWN.
 CEMENT PLUG: 150' - 200' W/20 SXS
 CUT 8 5/8" CASING @ 200'
 CEMENT PLUG: 607' - 677' W/20 SXS
 8 5/8" CASING, SET W/50 SXS. TOC @ 440'(calculated)

CEMENT PLUG: 1225' - 1300' W/20 SXS
 CUT 4 1/2" CASING @ 1300'

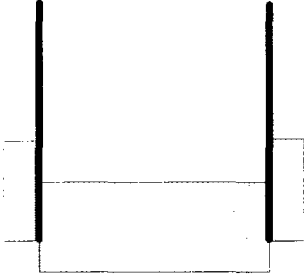
CEMENT PLUG: 3000' - 3290' W/20 SXS
 PERFORATE: 3288' - 3428' (OA)

4 1/2" CASING, SET W/325 SXS. TOC @ 2880'(calculated)
 TD @ 3778'

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

VI Wellbore Schematic of Plugged Wells:


DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: STATE "B" #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FWL, SEC 16-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3834' ; KB=UNK			SPUD DATE: 04/15/39		COMP DATE: 07/04/39	
API#: 30-015-05164		PREPARED BY: C.H. CARLETON			DATE: 02/25/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 628'	8 5/8"	28#			10"
CASING:	2700' - 3063'	7"	26#			8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

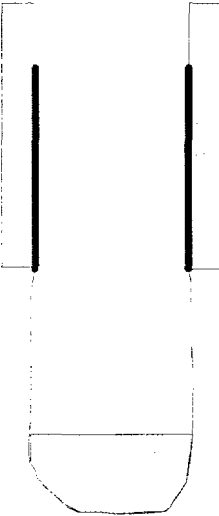
OPERATOR: W-K ROYALTY COMPANY
DATE PLUGGED: 07/04/39 (DRY & ABANDONED)

CEMENT PLUG @ 590', SACKS USED UNKNOWN
 8 5/8" CASING, SET W/50 SXS. TOC @ 390' (calc)



CEMENT PLUG @ 1535', SACKS USED UNKNOWN

NOTE: HEAVY MUD SET BETWEEN ALL PLUGS AND TO SURFACE.



CUT 7" CASING @ 2700'

7" CASING SET W/100 SXS. TOC @ 2260' (calc)

OPEN HOLE: 3063'- 3805'

CEMENT PLUG: 3650'- 3805'

TD @ 3805'

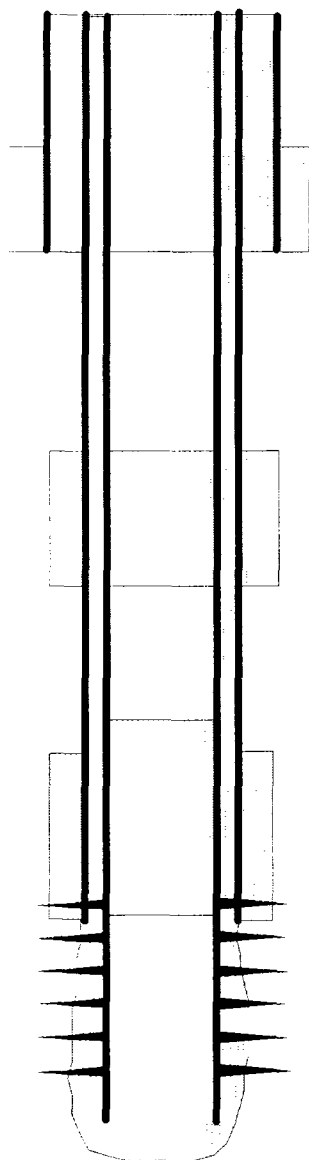
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME TEXAS TRADING #5	FIELD: SQUARE LAKE
LOCATION: 1980'FSL & 1980'FWL, SEC 33-T16S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3955', KB=UNK	SPUD DATE: 01/23/45 COMP DATE: 03/31/45
API#: 30-015-04981	PREPARED BY: C.H. CARLETON DATE: 02/27/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 705'	8 1/4"				
CASING:	0' - 3357'	5 1/2"				
CASING:	0' - 3470'	3 1/2"				
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: NEWMONT OIL COMPANY

DATE PLUGGED: 08/20/82

CEMENT PLUG: 0'- 705' W/112 SXS

PERF SQUEEZE HOLES @ 705'

8 1/4" CASING, SET W/150 SXS. TOC @ 370'(calculated)

CEMENT PLUG: 1161'- 1660' W/40 SXS

PERF SQUEEZE HOLES @ 1660'

CEMENT PLUG: 2215'- 3324' W/50 SXS

5 1/2" CASING SET W/100 SXS. TOC @ 2980'(calculated)

PERFORATIONS: 3301'- 3428' (OA)

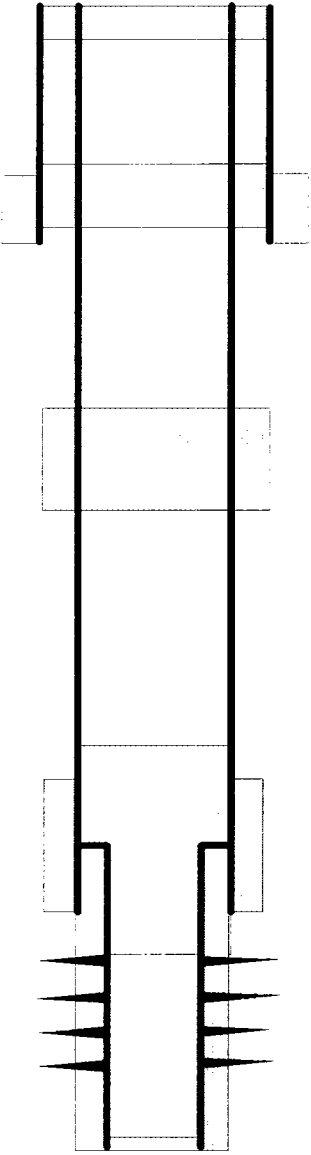
3 1/2" CASING, SET W/400 SXS. TOC @ SURFACE.

TD @ 3616'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TEXAS TRADING #6			FIELD: SQUARE LAKE			
LOCATION: 1980'FSL & 660'FEL, SEC 33-T16S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3978'; KB=UNK;			SPUD DATE: 05/29/45		COMP DATE: 01/15/46	
API#: 30-015-04982		PREPARED BY: C.H. CARLETON			DATE: 02/27/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 765'	8 1/4"				
CASING:	0' - 3380'	5 1/2"				
CASING:	3355' - 3697'	4"				
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: NEWMONT OIL COMPANY

DATE PLUGGED: 08/08/82

CEMENT PLUG: 0'- 70' W/15 SXS

CEMENT PLUG: 616'- 725' W/50 SXS

PERF 5 1/2" CASING @ 725'

8 1/4" CASING SET W/50 SXS. TOC @ 650' (calculated)

CEMENT PLUG: 1235'- 1735' W/50 SXS

PERF 5 1/2" CASING @ 1735' SQZ'D W/50 SXS

CEMENT PLUG: 2930'- 3458' W/50 SXS

TOP OF 4" LINER @ 3355'

5 1/2" CASING SET W/100 SXS. TOC @ 3000' (calculated)

PERFORATIONS: 3450'- 3654' (OA)

4" LINER SET W/35 SXS.

TD @ 3705'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: 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:						

OPERATOR: REPOLLO OIL COMPANY
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'

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

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

VII Proposed Operation Data:

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

VIII Geological Data:

The proposed injection zone is in the Grayburg/San Andres formation from 2735'- 4160'. 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, or, can be submitted upon completion of well.

**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, 4, 5, 6, 8, 9, & 10-T17S-R31E. Offset operators in the "area of review" are as follows:

- | | |
|--|--|
| (1) Anadarko Petroleum, Inc.
400 W. Illinois, Suite 1300
Midland, TX 79701 | (2) Apache Corporation
2000 Post Oak Blvd., Ste 100
Houston, TX 77056-4400 |
| (3) The Blanco Company
P.O. Box 1698
Roswell, NM 88202-1698 | (4) Mack Energy Corporation
P.O. Box 960
Artesia, NM 88221-0960 |
| (5) Marbob Energy Corporation
P.O. Box 227
Artesia, NM 88210 | (6) Texaco Expl. & Prod., Inc.
4601 DTC Blvd.
Denver, CO 80237-2549 |
| (7) J. Cleo Thompson
117 E. Youkon Road
Odessa, TX 79768-2577 | (8) Ray Westall
P.O. Box 4
Loco Hills, NM 88255 |

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

(9) Wiser Oil Company
8115 Preston Rd., Suite 400
Dallas, TX 75225-6311

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

(11) Yates Petroleum Corporation
105 S. 4th Street, Yates Bldg.
Artesia, NM 88210

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

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



ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 571

Anadarko Petroleum, Inc.
400 W. Illinois, Suite 1300
Midland, TX 79701

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- 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. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

ANADARKO PETROLEUM, INC.
400 W. ILLINOIS, SUITE 1300
MIDLAND, TX 79701

4a. Article Number

P 240 501 571

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 |

7. Date of Delivery

2-24-97

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

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

March 14, 1997

Certified Mail P 240 501 843

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: APACHE CORPORATION ONE POST OAK CENTRAL 2000 POST OAK BLVD., SUITE 100 HOUSTON, TX 77056-4400		4a. Article Number P 240 501 843	
			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) VILY		7. Date of Delivery 3-17-97	
	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.



ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 573

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: THE BLANCO COMPANY P.O. BOX 1698 ROSWELL, NM 88202-1698		4a. Article Number P 240 501 573	
			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) Phil White		7. Date of Delivery 2-24-97	
	6. <input type="checkbox"/>		8. Addressee's Address (Only if requested and fee is paid)	

PS.

Thank you for using Return Receipt Service.

Receipt

devon
ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 574

Mack Energy Corporation
P.O. Box 960
Artesia, NM 88221-0960

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: MACK ENERGY CORPORATION P.O. BOX 960 ARTESIA, NM 88221-0960		4a. Article Number P 240 501 574	
			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) [Signature]		7. Date of Delivery 2-24-97	
		8. Addressee's Address (Only if requested and fee is paid)		

Thank you for using Return Receipt Service.

Receipt



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

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

February 21, 1997

Certified Mail P 240 501 575

Marbob Energy Corporation
P.O. Box 227
Artesia, NM 88220-0227

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: MARBOB ENERGY CORPORATION P.O. BOX 227 ARTESIA, NM 88220-0227		4a. Article Number P 240 501 575	
			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) MISTI McLurg		7. Date of Delivery 2-27-97	
	6. Signature: (Addressee or Agent) x/ MISTI McLurg		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.

devon

ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 576

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

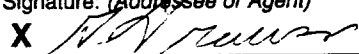
Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	SENDER: <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> 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: TEXACO EXPLORATION & PRODUCTION, INC. 4601 DTC BLVD. DENVER, CO 80237-2549		4a. Article Number P 240 501 576	
			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	
			7. Date of Delivery 2-24-97	
	5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X 				



ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 577

James Cleo Thompson
117 E. Youkon Rd.
Odessa, TX 79768-2577

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

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	3. Article Addressed to: JAMES CLEO THOMPSON 117 E. YOKON RD. ODESSA, TX 79768-2577		4a. Article Number P 240 501 577	
			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 2-25-97	
	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.

devon
ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 578

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

/chc

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	3. Article Addressed to: RAY WESTALL P.O. BOX 4 LOCO HILLS, NM 88255		4a. Article Number P 240 501 578	
			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) DORIS JACKSON		7. Date of Delivery 2-24-97	
	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.

devon
ENERGY CORPORATION

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

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

March 14, 1997

Certified Mail P 240 501 844

Wiser Oil Company
8115 Preston Rd., Suite 400
Dallas, TX 75225-6311

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

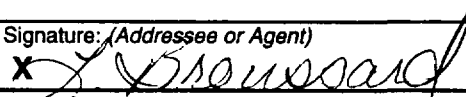
Sincerely,
Devon Energy Corporation



Randy Jackson
District Engineer

/chc

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	3. Article Addressed to: WISER OIL COMPANY 8115 PRESTON RD., SUITE 400 DALLAS, TX 75225-6311		4a. Article Number P 240 501 844	
			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 MAR 17 1997	
	6. Signature: (Addressee or Agent) 		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.

devon
ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 580

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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Sincerely,
Devon Energy Corporation

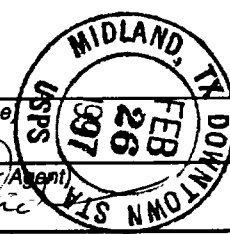


Randy Jackson
District Engineer

/chc

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	3. Article Addressed to: XERIC OIL & GAS CORPORATION P.O. BOX 51311 MIDLAND, TX 79710		4a. Article Number P 240 501 580
	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		7. Date of Delivery
	5. Received By: (Print Name) X Randy Jackson		8. Addressee's Address (Only if requested and fee is paid)
6. Signature: (Addressee or Agent) X Randy Jackson			



PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

devon

ENERGY CORPORATION

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

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

February 21, 1997

Certified Mail P 240 501 581

Yates Petroleum Corporation
105 S. 4th Street, Yates Bldg.
Artesia, NM 88210


RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Sections 3, 4, 5, 6, 8, 9 & 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 drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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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): <ul style="list-style-type: none">1. <input type="checkbox"/> Addressee's Address2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: YATES PETROLEUM CORP. 105 S. 4TH STREET, YATES BLDG. ARTESIA, NM 88210		4a. Article Number P 240 501 581	
			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) MARGIE TWININGTON		7. Date of Delivery 2-24-97	
	6. Signature: (Addressee or Agent) X		8. Addressee's Address (Only if requested and fee is paid)	

Affidavit of Publication

No 17196

State of New Mexico,
County of Eddy, ss.

Amy McKay

being first duly sworn, on oath says:

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

February 27, 19 97
_____, 19 ____
_____, 19 ____
_____, 19 ____
_____, 19 ____
_____, 19 ____

That the cost of publication is \$ 28.03,
and that payment thereof has been made and will
be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

4th day of March, 19 97

Donna Chavez

My commission expires 08/01/98

Notary Public

February 27, 1997

Legal Advertisement

Notice is hereby given that Devon Energy Corporation is applying to the New Mexico Oil Conservation Division to drill and complete one water injection well, convert fourteen producing wells to water injectors and restore injection to three shutin injection wells for secondary recovery purposes in:

Sections 3, 4, 5, 6, 8, 9, & 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 Corporation
20 North Broadway,
Suite 1500
Oklahoma City, OK 73102
(405) 552-4560