

WFX 6/2/97
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ENERGY OPERATING CORPORATION

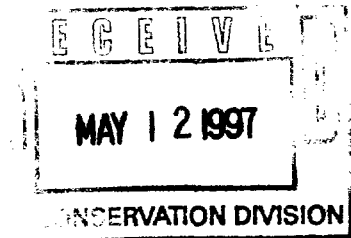
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

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

May 8, 1997

Certified Mail P 240 501 951

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



Re: Application For Authorization To Inject
Grayburg-Jackson Waterflood Project
Turner "B" #72
Section 20-T17S-R31E
Eddy County, NM

Dear Sir:

Enclosed are two(2) copies of the "Application For Authorization To Inject" for the above referenced well.

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

Sincerely,
Devon Energy Corporation

Charles H. Carleton
Sr Engineering Technician

/chc
enclosures

xc: Well File

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ Yes ☐ No
- II. OPERATOR: Devon Energy Corporation (Nevada)
ADDRESS: 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260
CONTACT PARTY: Mr. Randy Jackson PHONE: 405/552-4560
- III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project: ☒ Yes ☐ No
If yes, give the Division order number authorizing the project R-2268
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Mr. Randy Jackson TITLE: District Engineer
SIGNATURE: Randy Jackson DATE: May 8, 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

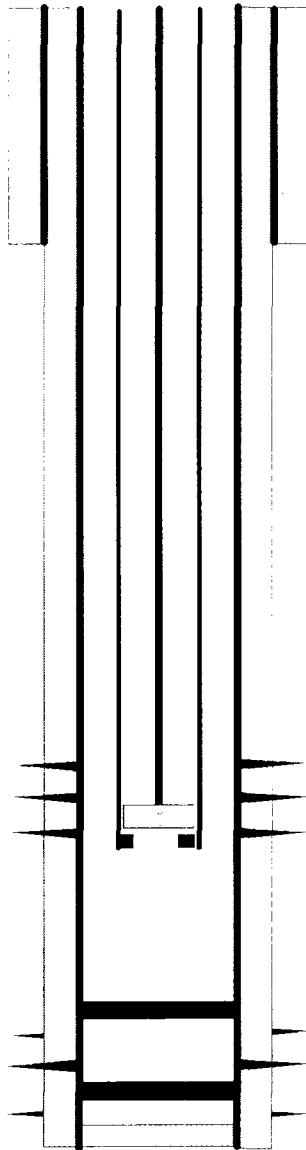
III **Well Data:**

- A. (1) Turner "B" #72
 330'FSL & 1980'FWL
 Section 20-T17S-R31E
 Eddy County, NM
- (2) Surface Casing:
 8 5/8" 24# J-55 ST&C @ 1600'. TOC @ surface
 Hole Size = 11"
- Production Casing:
 4 1/2" 11.6, 9.5# J-55 LT&C @ 7233'. 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) 4 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'- 3750'(OA). **The injection interval is 3150'- 3750'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3150'- 3750' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #72			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FSL & 1980'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3708'; KB=UNK			SPUD DATE: 09/21/60		COMP DATE: 11/16/60	
API#: 30-015-05302		PREPARED BY: C.H. CARLETON			DATE: 03/31/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1600'	8 5/8"	24#	J-55		11"
CASING:	0' - 7233'	4 1/2"	11.6, 9.5#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3379'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING @ 1600' W/600 SXS. TOC @ SURFACE

DETAIL OF PERFORATIONS

PREMIER: 3162', 64', 82', 84', 86', 96', 97', 98'

VACUUM: 3342', 43', 44', 45'

PERFORATE: 3162'- 3345' (OA) W/12 HOLES

SEAT NIPPLE @ 3379'

BAKER MODEL "N" CIBP @ 7100'

PERFORATIONS: 7119'- 7174' (OA) SQUEEZED W/300 SXS

PERFORATE: 7152'- 7156' (8 HOLES)

CEMENT RETAINER @ 7160'

4 1/2" CASING @ 7233' W/1300 SXS. TOC @ SURFACE

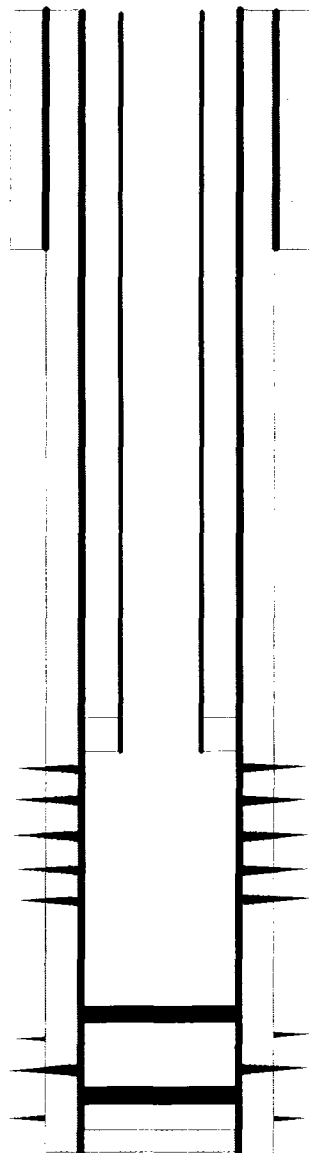
TD @ 7233'

III Well Data:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #72		FIELD: GRAYBURG-JACKSON	
LOCATION: 330'FSL & 1980'FWL, SEC 20-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3708'; KB=UNK		SPUD DATE: 09/21/60	COMP DATE: 11/16/60
API#: 30-015-05302	PREPARED BY: C.H. CARLETON		DATE: 04/14/97

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1600'	8 5/8"	24#	J-55		11"
CASING:	0' - 7233'	4 1/2"	11.6. 9.5#	J-55		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 @ 1600' W/600 SXS. TOC @ SURFACE

INJECTION INTERVAL: 3150'- 3750'

BAKER AD-1 PACKER @ 3100'

PERFORATE: 3150'- 3750' (OA)

BAKER MODEL "N" CIBP @ 7100'

PERFORATIONS: 7119'- 7174' (OA) SQUEEZED W/300 SXS

PERFORATE: 7152'- 7156' (8 HOLES)

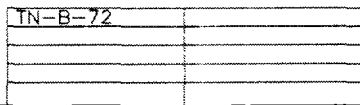
CEMENT RETAINER @ 7160'

4 1/2" CASING @ 7233' W/1300 SXS. TOC @ SURFACE

TD @ 7233'

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

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Scale in Feet

2000 0 2000 4000

WELL LISTING "AREA OF REVIEW"
GRAYBURG-JACKSON WATERFLOOD
TURNER "B" #72 - PROPOSED INJECTOR

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
Turner "B" #13	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #14	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #17	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #18	20-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #19	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #20	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #21	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #22	29-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #24	29-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #25	29-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #39	20-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #44	20-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #45	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #46	20-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #47	29-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #48	29-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #49	29-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #51	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #54	29-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #55	29-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #59	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #65	20-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #69	29-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #70	20-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #72	20-T17S-R31E	Devon Energy Corp.	Active Oil	Proposed Injector
Turner "B" #73	29-T17S-R31E	Devon Energy Corp.	WDW	
Turner "B" #74	29-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #78	20-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #79	20-T17S-R31E	Devon Energy Corp.	WIW	
Turner "B" #83	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #84	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #85	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #89	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #90	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #91	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #92	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #93	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #94	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #96	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #97	20-T17S-R31E	Devon Energy Corp.	Active Oil	
		OUTSIDE OPERATED		
Skelly Unit #15	21-T17S-R31E	Wiser Oil Company	Active Oil	
Skelly Unit #74	21-T17S-R31E	Wiser Oil Company	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/BTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #13	660FSL & 660FWL SEC 20-T17S-R31E EDDY COUNTY, NM	5/28/44	8/13/44	OIL PRODUCER	2051'/2051'	7" @ 534' W/50 SXS 5 1/2" @ 1891' W/100 SXS OPEN HOLE COMPLETION: 1891' - 2051' IP=91 BOPD PLUGGED & ABANDONED
TURNER "B" #14	660FSL & 1980FWL SEC 20-T17S-R31E EDDY COUNTY, NM	6/15/44	8/16/44	OIL PRODUCER	2115'/2115'	7" @ 566' W/50 SXS 5 1/2" @ 1940' W/100 SXS OPEN HOLE COMPLETION: 1940' - 2115' IP=85 BOPD PLUGGED & ABANDONED
TURNER "B" #17	1980FSL & 1980FWL SEC 20-T17S-R31E EDDY COUNTY, NM	11/12/44	2/1/45	OIL PRODUCER	2046'/2046'	7" @ 600' W/50 SXS 5 1/2" @ 1945' W/100 SXS OPEN HOLE COMPLETION: 1945' - 2046' IP=75 BOPD PLUGGED & ABANDONED
TURNER "B" #18	1980FSL & 1980FEL SEC 20-T17S-R31E EDDY COUNTY, NM	5/3/45	6/28/45	OIL PRODUCER	2067'/2067'	8 1/4" @ 535' W/50 SXS 7" @ 1945' W/100 SXS OPEN HOLE COMPLETION: 1945' - 2067' IP=65 BOPD SET CIBP @ 1915' - TEMPORARILY ABANDONED
TURNER "B" #19	1980FSL & 660FEL SEC 20-T17S-R31E EDDY COUNTY, NM	7/16/45	9/25/45	OIL PRODUCER	2096'/2096'	8 5/8" @ 600' W/50 SXS 7" @ 2022' W/100 SXS OPEN HOLE COMPLETION: 2022' - 2096' IP=75 BOPD PLUGGED & ABANDONED
TURNER "B" #20	760FSL & 330FEL SEC 20-T17S-R31E EDDY COUNTY, NM	10/13/45	12/20/45	OIL PRODUCER	2184'/2184'	8 5/8" @ 568' W/50 SXS 7" @ 2075' W/100 SXS OPEN HOLE COMPLETION: 2075' - 2184' IP=55 BOPD PLUGGED & ABANDONED
			6/21/86			

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/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #21	660FSL & 1980FEL	12/6/45	2/9/46	OIL PRODUCER	2139'/2139'	8 5/8" @ 592' W/50 SXS
	SEC 20-T17S-R31E EDDY COUNTY, NM					7" @ 2039' W/100 SXS OPEN HOLE COMPLETION: 2039' - 2139' IP=80 BOPD PLUGGED & ABANDONED
TURNER "B" #22	660FNL & 660FEL	2/2/46	5/15/46	OIL PRODUCER	2227'/2227'	7" @ 562' W/50 SXS
	SEC 29-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 2165' W/100 SXS OPEN HOLE COMPLETION: 2165' - 2227' IP=40 BOPD PLUGGED & ABANDONED
TURNER "B" #24	660FNL & 1980FEL	4/19/47	6/9/47	OIL PRODUCER	2219'/2219'	8 5/8" @ 543' W/50 SXS
	SEC 29-T17S-R31E EDDY COUNTY, NM					7" @ 2112' W/100 SXS OPEN HOLE COMPLETION: 2112' - 2219' IP=25 BOPD PLUGGED & ABANDONED
TURNER "B" #25	660FNL & 1980FWL	6/27/47	8/30/47	OIL PRODUCER	2163'/2163'	8 1/4" @ 544' W/50 SXS
	SEC 29-T17S-R31E EDDY COUNTY, NM					5 1/2" @ 2057' W/100 SXS OPEN HOLE COMPLETION: 2057' - 2163' IP=14 BOPD SET CIBP @ 2040' & SQUEEZE OFF WATER FLOW @ 550' TEMPORARILY ABANDONED
TURNER "B" #39	2310FNL & 1650FEL	11/3/52	12/10/52	OIL PRODUCER	2010'/2010'	8 5/8" @ 535' W/50 SXS
	SEC 20-T17S-R31E EDDY COUNTY, NM					7" @ 1955' W/100 SXS OPEN HOLE COMPLETION: 1955' - 2010' IP=40 BOPD SET CIBP @ 1925' - TEMPORARILY ABANDONED
			5/5/93		2010'/1925'	

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #44	660 FSL & 2055 FVL SEC 20-T17S-R31E EDDY COUNTY, NM	10/30/65	11/21/55	OIL PRODUCER	3342'/3339'	8 5/8" @ 489' W/270 SXS. CEMENT TO SURFACE. 5 1/2" @ 3339' W/125 SXS. TOC @ 2535'(TEMP SURVEY) PERFORATE: 3161' - 3176'(OA) IP=750 BOPD
			3/11/69 1/28/70 9/18/91	WATER INJECTOR		CONVERT TO WATER INJECTION WELL PERFORATE: 3185' - 3269'(OA) - RETURN TO INJECTION PERFORATE: 3130' - 3334'(OA) - RETURN TO INJECTION
TURNER "B" #45	660 FSL & 2080 FVL SEC 20-T17S-R31E EDDY COUNTY, NM	2/29/56	4/17/56	OIL PRODUCER	3350'/3349'	8 5/8" @ 558' W/50 SXS 5 1/2" @ 3349' W/200 SXS. TOC @ 1715'(TEMP SURVEY) PERFORATE: 3304' - 3317'(OA) IP=245 BOPD
			4/25/67 2/2/70 4/10/75			PERFORATE: 3158' - 3166'(OA) - RETURN TO PRODUCTION PERFORATE: 3172' - 3268'(OA) - RETURN TO PRODUCTION PLUGGED & ABANDONED
TURNER "B" #46	660 FSL & 760 FVL SEC 20-T17S-R31E EDDY COUNTY, NM	5/2/56	7/7/56	OIL PRODUCER	3449'/3421'	8 5/8" @ 539' W/50 SXS 5 1/2" @ 3449' W/225 SXS PERFORATE: 3208' - 3226'(OA) IP=191 BOPD
			3/11/69 1/28/70 9/14/91	WATER INJECTOR		CONVERT TO WATER INJECTION WELL PERFORATE: 3306' - 3316'(OA) - RETURN TO PRODUCTION PERFORATE: 2936' - 3381'(OA) - RETURN TO PRODUCTION
TURNER "B" #47	560 FNL & 1980 FVL SEC 29-T17S-R31E EDDY COUNTY, NM	4/17/57	6/6/57	OIL PRODUCER	3450'/3418'	10 3/4" @ 558' W/100 SXS 7" @ 3450' W/100 SXS. TOC @ 2385'(TEMP SURVEY) PERFORATE: 3396' - 3412'(OA) IP=242 BOPD
			4/26/59 3/11/69 1/26/70	WATER INJECTOR	3450'/3305' 3450'/3380'	PERFORATE: 3243' - 3270'(OA) - RETURN TO PRODUCTION SET RBP @ 3305' - CONVERT TO WATER INJECTION WELL PUSH RBP TO 3394' & SET CIBP @ 3380'
			7/10/91		3450'/3415'	PERFORATE: 3350' - 3366'(OA) - RETURN TO INJECTION MILL ON & PUSH CIBP TO 3415' PERFORATE: 3045' - 3412'(OA) - RETURN TO INJECTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #48	560'FNL & 1980'FWL SEC 29-T17S-R31E EDDY COUNTY, NM	7/14/57	8/28/57	OIL PRODUCER	3431'/3414'	9 5/8" @ 500' W/250 SXS. CEMENT TO SURFACE. 7" @ 3431' W/200 SXS. TOC @ 2200'(TEMP SURVEY) PERFORATE: 3214'- 3224'(OA) IP=222 BOPD
			2/1/70 5/26/80			PERFORATE: 3240'- 3322'(OA) - RETURN TO PRODUCTION PERFORATE & SQUEEZE 1200'- 1202', 2025 - 2027 W/1600 SXS PERFORATE & SQUEEZE 780' W/250 SXS PERFORATE & SQUEEZE 598' W/2325 SXS. CEMENT TO SURFACE. RETURN WELL TO PRODUCTION
			4/16/91 2/5/97	WATER INJECTOR		PERFORATE: 3374'- 3386'(OA) - RETURN TO PRODUCTION PERFORATE: 2962'- 3183'(OA) - CONVERT TO WATER INJECTION WELL
TURNER "B" #49	1980'FNL & 1980'FEL SEC 29-T17S-R31E EDDY COUNTY, NM	9/2/57	11/1/57	OIL PRODUCER	3600'/3467'	10 3/4" @ 581' W/100 SXS 7" @ 3502' W/100 SXS TOC @ 2325'(TEMP SURVEY) OPEN HOLE COMPLETION: 3502'- 3600' SET RBP @ 3467' PERFORATE: 3418'- 3454'(OA) IP=264 BOPD
			3/6/91 3/12/95 2/9/97	WATER INJECTOR	3600'/3535'	PERFORATE: 3165'- 3314'(OA) - RETURN TO PRODUCTION PERFORATE: 3081'- 3435'(OA) - RETURN TO PRODUCTION CLEAN OUT WELLBORE TO 3535' - CONVERT TO WATER INJECTION WELL.
			1/18/58	OIL PRODUCER	3338'/3208'	8 5/8" @ 636' W/100 SXS 5 1/2" @ 3210' W/175 SXS TOC @ 2230'(TEMP SURVEY) PERFORATE: 3070'- 3087'(OA) IP=264 BOPD
TURNER "B" #51	2055'FSL & 660'FEL SEC 20-T17S-R31E EDDY COUNTY, NM	12/2/57	3/25/68 3/12/91			PERFORATE: 3128'- 3190'(OA) - RETURN TO PRODUCTION PERFORATE: 2811'- 2938'(OA) - RETURN TO PRODUCTION
			8/18/58	OIL PRODUCER	3525'/3523'	10 3/4" @ 553' W/100 SXS 5 1/2" @ 3525' W/125 SXS. TOC @ 2740'(TEMP SURVEY) PERFORATE: 3366'- 3386'(OA) IP=216 BOPD
			2/2/70 8/30/91	WATER INJECTOR	3525'/3460'	PUSH PACKER TO 3460'(UNABLE TO MILL UP) PERFORATE: 3396'- 3404'(OA) - CONVERT TO WATER INJECTION WELL PERFORATE: 3108'- 3266'(OA) - RETURN TO INJECTION
TURNER "B" #54	1980'FNL & 1980'FWL SEC 29-T17S-R31E EDDY COUNTY, NM	6/30/58	8/18/58	OIL PRODUCER	3525'/3460'	

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #55	1980FNL & 660FEL SEC 29-T17S-R31E EDDY COUNTY, NM	8/24/58	10/8/58	OIL PRODUCER	3640'/3634'	10 3/4" @ 631' W/100 SXS 5 1/2" @ 3640' W/100 SXS PERFORATE: 3600' - 3624'(OA) IP=204 BOPD SET CIBP @ 3580'
			7/20/68	WATER INJECTOR	3640'/3580'	PERFORATE: 3455' - 3555'(OA) - RETURN TO PRODUCTION CONVERT TO WATER INJECTION WELL
			3/11/69 9/11/91		3640'/3635'	DRILL OUT CIBP & CLEAN OUT WELLBORE TO 3635' PERFORATE: 3115' - 3598'(OA) - RETURN TO INJECTION
			3/2/59		3486'/3483'	10 3/4" @ 593' W/100 SXS 5 1/2" @ 3486' W/210 SXS. TOC @ 2130'(TEMP SURVEY) PERFORATE: 3290' - 3480'(OA) IP=288 BOPD
TURNER "B" #59	560FNL & 660FEL SEC 29-T17S-R31E EDDY COUNTY, NM	1/16/59	2/6/70 12/4/90	OIL PRODUCER	7497'/7400'	PERFORATE: 3332' - 3418'(OA) - RETURN TO PRODUCTION PERFORATE: 3080' - 3226'(OA) - RETURN TO PRODUCTION
			5/19/60			13 3/8" @ 477' W/795 SXS 8 5/8" @ 3800' W/3300 SXS. CEMENT TO SURFACE.
			2/4/62			4 1/2" @ 7497' W/500 SXS. TOC @ 4800'(TEMP SURVEY) PERFORATE: 7120' - 7152'(OA) IP=288 BOPD
			1/21/71			SQUEEZE OFF PERFORATIONS W/100 SXS. DRILL OUT CEMENT TO 7130'. PERFORATE: 7122' - 7128'(OA) - RETURN TO PRODUCTION SET CIBP @ 6963' - TEMPORARILY ABANDONED
TURNER "B" #65	330FSL & 1980FWL SEC 20-T17S-R31E EDDY COUNTY, NM	3/25/60	2/4/62	OIL PRODUCER	7497'/7130'	13 3/8" @ 312' W/100 SXS 8 5/8" @ 1600' W/1100 SXS. CEMENT TO SURFACE.
			9/12/60			4 1/2" @ 7230' W/1100 SXS. TOC @ 1400'(TEMP SURVEY) PERFORATE: 7108' - 7132'(OA) IP=364 BOPD
			1/21/71			SQUEEZE OFF PERFORATIONS 7108' - 7132' W/100 SXS PERFORATE: 7122' - 7128'(OA) - RETURN TO PRODUCTION
			4/17/64			SQUEEZE OFF PERFORATIONS 7122' - 7128' W/105 SXS PERFORATE: 7034' - 7057'(OA) - RETURN TO PRODUCTION SET CIBP @ 6975' - TEMPORARILY ABANDONED
TURNER "B" #69	380FNL & 2310FEL SEC 29-T17S-R31E EDDY COUNTY, NM	7/29/60	9/12/60	OIL PRODUCER	7230'/7197'	13 3/8" @ 312' W/100 SXS 8 5/8" @ 1600' W/1100 SXS. CEMENT TO SURFACE.
			1/21/61		7230'/7196'	4 1/2" @ 7230' W/1100 SXS. TOC @ 1400'(TEMP SURVEY) PERFORATE: 7108' - 7132'(OA) IP=364 BOPD
			1/25/71		7230'/6975'	SQUEEZE OFF PERFORATIONS 7108' - 7132' W/100 SXS PERFORATE: 7122' - 7128'(OA) - RETURN TO PRODUCTION SQUEEZE OFF PERFORATIONS 7122' - 7128' W/105 SXS PERFORATE: 7034' - 7057'(OA) - RETURN TO PRODUCTION SET CIBP @ 6975' - TEMPORARILY 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>
TURNER "B" #70	330FSL & 660FWL SEC 20-T17S-R31E EDDY COUNTY, NM	8/12/60	9/9/60	OIL PRODUCER	7200'/7165'	8 5/8" @ 1600' W/900 SXS. CEMENT TO SURFACE. 4 1/2" @ 7200' W/1300 SXS. CEMENT TO SURFACE PERFORATE: 7042'- 7058'(OA) IP=356 BOPD SET CIBP @ 7000' - TEMPORARILY ABANDONED
			8/28/71		7200'/7000'	
TURNER "B" #72	330FSL & 1980FEL SEC 20-T17S-R31E EDDY COUNTY, NM	9/21/60	11/16/60	OIL PRODUCER	7233'/7160'	8 5/8" @ 1600' W/600 SXS. CEMENT TO SURFACE. 4 1/2" @ 7233' W/1300 SXS. CEMENT TO SURFACE PERFORATE: 7164'- 7174'(OA). SQUEEZE OFF PERFORATIONS W/100 SXS. PERFORATE: 7152'- 7158(OA). SQUEEZE OFF PERFORATIONS W/50 SXS. PERFORATE: 7136'- 7148(OA). SQUEEZE OFF PERFORATIONS W/50 SXS. PERFORATE: 7119'- 7124'(OA). SQUEEZE OFF PERFORATIONS W/50 SXS. PERFORATE: 7153'- 7157'(OA). SQUEEZE OFF PERFORATIONS W/50 SXS. PERFORATE: 7152'- 7156'(OA) IP=48 BOPD SET CIBP @ 7100' - TEMPORARILY ABANDONED PERFORATE: 3162'- 3286(OA) - RETURN TO PRODUCTION SQUEEZE OFF PERFORATIONS 3233'- 3286' W/200 SXS PERFORATE: 3182'- 3345(OA) - RETURN TO PRODUCTION
			1/27/71 6/7/72 4/13/91		7233'/7100'	
TURNER "B" #73	380FNL & 1980FWL SEC 29-T17S-R31E EDDY COUNTY, NM	9/22/60	10/26/60	OIL PRODUCER	7185'/7146'	8 5/8" @ 1600' W/800 SXS. CEMENT TO SURFACE. 4 1/2" @ 7185' W/1100 SXS. TOC @ 590'(TEMP SURVEY) PERFORATE: 7184'- 7092'(OA) IP=312 BOPD PERFORATE: 6982'- 7036(OA) - RETURN TO PRODUCTION CONVERT TO SALT WATER DISPOSAL WELL
			9/28/62 5/13/68	WATER DISPOSAL		
TURNER "B" #74	380FNL & 990FEL SEC 29-T17S-R31E EDDY COUNTY, NM	10/27/60	12/3/60	OIL PRODUCER	7250'/7207'	8 5/8" @ 1600' W/776 SXS. CEMENT TO SURFACE 4 1/2" @ 7250' W/1300 SXS. TOC @ 1520'(TEMP SURVEY) PERFORATE: 7148'- 7160(OA). SQUEEZE OFF PERFORATIONS W/50 SXS PERFORATE: 7182'- 7192'(OA) IP=93 BOPD SQUEEZE OFF PERFORATIONS 7182'- 7192' W/150 SXS PERFORATE: 7134'- 7141'(OA) - RETURN TO PRODUCTION SET CIBP @ 7126' & CAP W/25 SXS. - TEMPORARILY ABANDONED
			12/14/61 3/24/65		7250'/6799'	

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #78	2080FSL & 1980FEL SEC 20-T17S-R31E EDDY COUNTY, NM	5/12/61	8/6/61	OIL PRODUCER	3600'/3570'	8 5/8" @ 531' W/200 SXS 4 1/2" @ 3600' W/250 SXS. TOC @ 2400'(TEMP SURVEY) PERFORATE: 3046'- 3100'(OA) IP=51 BOPD PERFORATE: 3421'- 3468'(OA) - CONVERT TO WATER INJECTION WELL SQUEEZE OFF PERFORATIONS 3044'- 3100' W/170 SXS PERFORATE: 3046'- 3151'(OA) - RETURN TO INJECTION PERFORATE: 2774'- 3544'(OA) - RETURN TO INJECTION
TURNER "B" #79	2050FSL & 1980FWL SEC 20-T17S-R31E EDDY COUNTY, NM	1/3/68	1/25/68 9/25/91	OIL PRODUCER WATER INJECTOR	3530'/3525' 3530'/3486'	9 5/8" @ 605' W/350 SXS. CEMENT TO SURFACE. 7" @ 3530' W/500 SXS. TOC @ 1300'(TEMP SURVEY) PERFORATE: 2890'- 3124'(OA) IP=67 BOPD CLEAN OUT WELLBORE TO TD @ 3530' 4 1/2" @ 3529' W/325 SXS. CEMENT TO SURFACE. PERFORATE: 2739'- 3469'(OA) - CONVERT TO WATER INJECTION WELL
TURNER "B" #83	1385FNL & 1345FWL SEC 29-T17S-R31E EDDY COUNTY, NM	7/13/90	8/10/90	OIL PRODUCER	3495'/3355'	8 5/8" @ 629' W/465 SXS. CEMENT TO SURFACE 5 1/2" @ 3493' W/950 SXS. CEMENT TO SURFACE. SET CIBP @ 3370' & CAP WITH 15' CEMENT PERFORATE: 3159'- 3270'(OA) IP=90 BOPD
TURNER "B" #84	1305FNL & 2525FEL SEC 29-T17S-R31E EDDY COUNTY, NM	9/26/90	10/21/90	OIL PRODUCER	3550'/3496'	8 5/8" @ 626' W/505 SXS. CEMENT TO SURFACE. 5 1/2" @ 3550' W/1650 SXS. CEMENT TO SURFACE PERFORATE: 3120'- 3472'(OA) IP=220 BOPD
TURNER "B" #85	1305FNL & 1335FEL SEC 29-T17S-R31E EDDY COUNTY, NM	10/12/90	10/31/90	OIL PRODUCER	3600'/3535'	8 5/8" @ 630' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3597' W/1000 SXS. CEMENT TO SURFACE PERFORATE: 3180'- 3154'(OA) IP=228 BOPD PERFORATE: 3057'- 3154'(OA) - RETURN TO PRODUCTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #89	30FNL & 1350FWL SEC 20-T17S-R31E EDDY COUNTY, NM	12/30/90	1/18/91	OIL PRODUCER	3800'/3754'	8 5/8" @ 600' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3800' W/2375 SXS. CEMENT TO SURFACE. PERFORATE: 3117'- 3309'(OA) IP=316 BOPD
TURNER "B" #90	75FNL & 2610FWL SEC 29-T17S-R31E EDDY COUNTY, NM	1/11/91	3/19/91	OIL PRODUCER	3606'/3558'	8 5/8" @ 606' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3603' W/1620 SXS. CEMENT TO SURFACE. PERFORATE: 3002'- 3291'(OA) IP=37 BOPD
TURNER "B" #91	140FNL & 1270FEL SEC 29-T17S-R31E EDDY COUNTY, NM	1/19/91	1/25/91	OIL PRODUCER	3620'/3586'	8 5/8" @ 598' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3617' W/1950 SXS. CEMENT TO SURFACE. PERFORATE: 3123'- 3382'(OA) IP=128 BOPD
TURNER "B" #92	1305FSL & 1350FWL SEC 20-T17S-R31E EDDY COUNTY, NM	12/30/90	1/19/91	OIL PRODUCER	3800'/3788'	8 5/8" @ 589' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3800' W/1500 SXS. CEMENT TO SURFACE. PERFORATE: 3065'- 3530'(OA) IP=165 BOPD
TURNER "B" #93	1140FSL & 2560FWL SEC 20-T17S-R31E EDDY COUNTY, NM	1/18/91	2/22/91	OIL PRODUCER	3821'/3792'	13 3/8" @ 452' W/650 SXS. CEMENT TO SURFACE. 8 5/8" @ 1421' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3821' W/900 SXS. CEMENT TO SURFACE. PERFORATE: 2864'- 3681'(OA) IP=250 BOPD
TURNER "B" #94	1350FSL & 1200FEL SEC 20-T17S-R31E EDDY COUNTY, NM	2/12/91	3/7/91	OIL PRODUCER	3870'/3841'	11 3/4" @ 362' W/465 SXS. CEMENT TO SURFACE. 8 5/8" @ 1407' W/600 SXS. CEMENT TO SURFACE. 5 1/2" @ 3807' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 2942'- 3614'(OA) IP=92 BOPD
TURNER "B" #96	2590FNL & 2590FEL SEC 20-T17S-R31E EDDY COUNTY, NM	1/27/91	2/16/91	OIL PRODUCER	3752'/3652'	8 5/8" @ 597' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3752' W/2200 SXS. CEMENT TO SURFACE. PERFORATE: 2725'- 3514'(OA) IP=134 BOPD

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #97	2590FNL & 1200FEL SEC 20-T17S-R31E EDDY COUNTY, NM	2/22/91	3/19/91	OIL PRODUCER	3800'/3769'	11 3/4" @ 369' W/400 SXS. CEMENT TO SURFACE. 8 5/8" @ 1369' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3789' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 2856'- 3582'(OA) IP=145 BOPD
SKELLY UNIT #15 Wiser Oil Company	760FSL & 660FWL SEC 21-T17S-R31E EDDY COUNTY, NM	6/2/46	7/13/46	OIL PRODUCER	2210'/2210'	10 3/4" @ 640' W/100 SXS 8 5/8" @ 2131' W/100 SXS OPEN HOLE COMPLETION: 2131'- 2210' IP=32 BOPD
SKELLY UNIT #74 Wiser Oil Company	530FSL & 330FWL SEC 21-T17S-R31E EDDY COUNTY, NM	2/26/57	4/4/57	OIL PRODUCER	3281'/3281'	8 5/8" @ 652' W/155 SXS 7" @ 3225' W/200 SXS OPEN HOLE COMPLETION: 3225'- 3281' IP=102 BOPD

VI Wellbore Schematic of Plugged Wells:

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

LEGEND:
 CURRENT
 PROPOSED

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

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

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

PERFORATE 5 1/2" CASING @ 1310'

CEMENT PLUG: 1688'- 1958'

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

TOP OF FISH @ 1958' (PARTED TUBING)

OPEN HOLE COMPLETION: 1891'- 2051'

TD @ 2051'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #14			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FWL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3667' ; KB=UNK			SPUD DATE: 06/15/44		COMP DATE: 08/16/44	
API#: 30-015-05286		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 556'	7"	20#			
CASING:	700' - 1940'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						

☒ CURRENT
 ☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 03/16/76

CEMENT PLUG: 0'- 50' W/10 SXS
 CEMENT PLUG: 506'- 606' W/35 SXS
 7" CASING, SET W/50 SXS. TOC @ 150' (calc)

CEMENT PLUG: 650'- 750' W/35 SXS
 CUT 5 1/2" CASING @ 700'

CIBP @ 1850' & CAPPED WITH 100' CEMENT
 5 1/2" CASING SET W/100 SXS. TOC @ 570' (calc)

OPEN HOLE COMPLETION: 1940'- 2115'

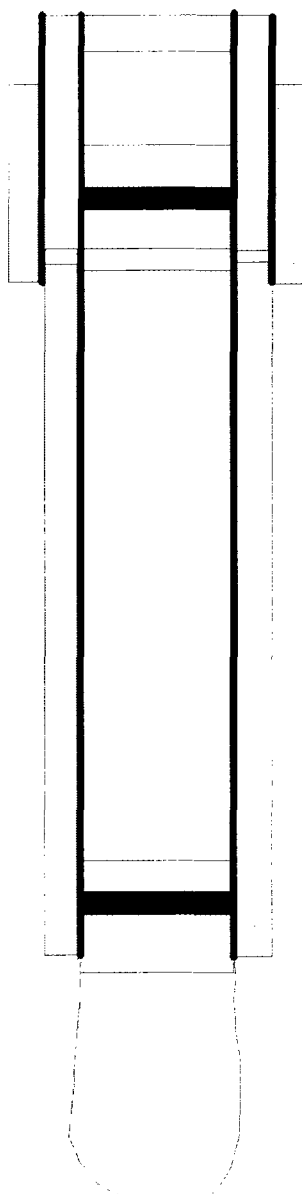
TD @ 2115'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #17			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 1980'FWL, SEC 20-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3662'; KB=UNK			SPUD DATE: 11/12/44		COMP DATE: 02/01/45	
API#: 30-015-05289			PREPARED BY: C.H. CARLETON			DATE: 10/05/96
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 600'	7"	24#			
CASING:	0' - 1945'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 11/12/86

CEMENT PLUG: 0'- 800'

CEMENT RETAINER @ 408', PUMP 100 SXS BELOW & CAP W/15 SXS
7" CASING, SET W/50 SXS. TOC @ 200' (calc)

CEMENT PLUG: 590'- 1825' W/125 SXS

CEMENT RETAINER @ 1887', PUMP 110 SXS BELOW
5 1/2" CASING SET W/100 SXS. TOC @ 570' (calc)

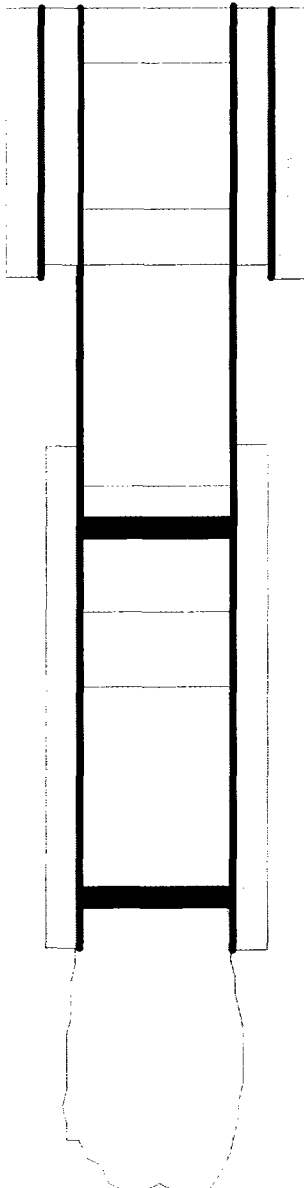
OPEN HOLE COMPLETION: 1945'- 2046'

TD @ 2046'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #19			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 660'FEL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3726'; KB=UNK			SPUD DATE: 07/16/45		COMP DATE: 09/25/45	
API#: 30-015-05291		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 600'	8 5/8"	24#			10"
CASING:	0' - 2022'	7"	20#			8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 11/19/86

PERFORATE & SQUEEZE @ 200' W/250 SXS
 PERFORATE & SQUEEZE @ 562' W/533 SXS
 8 5/8" CASING, SET W/50 SXS. TOC @ 360' (calc)

CEMENT RETAINER @ 1250', PUMP 150 SXS BELOW & CAP W/60' CMT

PERFORATE 7" CASING @ 1362'

CEMENT RETAINER @ 1947', PUMP 150 SXS BELOW & CAP W/74 SXS
 7" CASING SET W/100 SXS. TOC @ 1220' (calc)

OPEN HOLE COMPLETION: 2022' - 2096'

TD @ 2096'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #20			FIELD: GRAYBURG-JACKSON			
LOCATION: 760'FSL & 330'FEL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3751'; KB=UNK			SPUD DATE: 10/13/45		COMP DATE: 12/20/45	
API#: 30-015-05292		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 568'	8 5/8"	24#			10"
CASING:	0' - 2075'	7"	20#			8"
CASING:						
TUBING:						
TUBING:						

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 06/21/86

PERFORATE & SQUEEZE 7" CASING @ 560' W/230 SXS
 8 5/8" CASING, SET W/50 SXS. TOC @ 330' (calc)

CEMENT RETAINER @ 1176', PUMP 150 SXS BELOW & CAP W/20' CMT

PERFORATE 7" CASING @ 1300'

CEMENT PLUG: 1400'- 1996' W/114 SXS

7" CASING SET W/100 SXS. TOC @ 1270' (calc)

OPEN HOLE COMPLETION: 2075'- 2184'

TD @ 2184'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #21			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FEL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3703'; KB=UNK			SPUD DATE: 12/06/45		COMP DATE: 02/09/46	
API#: 30-015-05293		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 592'	8 5/8"	28#			10"
CASING:	0' - 2039'	7"	20#			8"
CASING:						
TUBING:						
TUBING:						

☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 08/16/86

PERFORATE & SQUEEZE 7" CASING @ 585' W/225 SXS
 8 5/8" CASING, SET W/50 SXS. TOC @ 260' (calc)

CEMENT PLUG: 1135'- 1415' W/160 SXS

PERFORATE 7" CASING @ 1415'

CEMENT PLUG: 1640'- 2139' W/240 SXS

7" CASING SET W/100 SXS. TOC @ 1230' (calc)

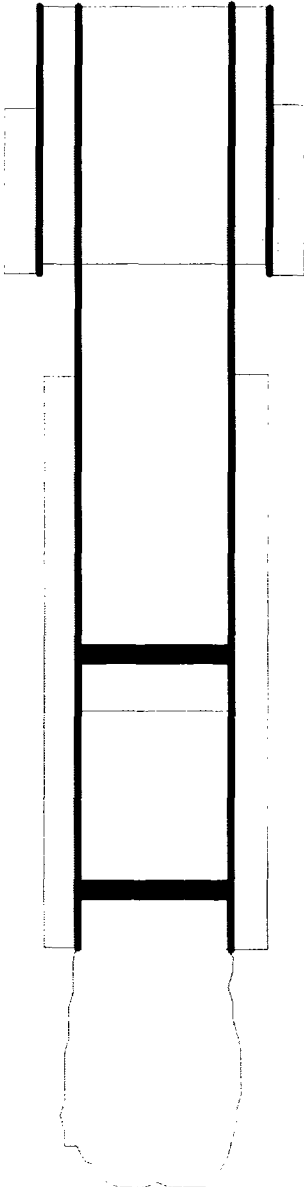
OPEN HOLE COMPLETION: 2039'- 2139'

TD @ 2139'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #22			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FEL, SEC 29-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3735'; KB=UNK			SPUD DATE: 02/02/46		COMP DATE: 05/15/46	
API#: 30-015-05439		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 582'	7"	24#			
CASING:	0' - 2165'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 12/05/86

PERFORATE & SQUEEZE 5 1/2" CASING @ 575' W/500 SXS
 7" CASING, SET W/50 SXS. TOC @ 320' (calc)

CEMENT RETAINER @ 1402', PUMP 150 SXS BELOW RETAINER
 PERFORATE 5 1/2" CASING @ 1520'

CEMENT RETAINER @ 2060', PUMP 100 SXS BELOW RETAINER
 5 1/2" CASING SET W/100 SXS. TOC @ 790' (calc)

OPEN HOLE COMPLETION: 2165' - 2227'

TD @ 2227'

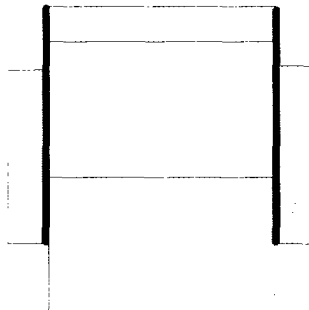
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #24		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FNL & 1980'FEL, SEC 29-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3696' ; KB=UNK		SPUD DATE: 04/19/47	COMP DATE: 06/09/47
API#: 30-015-05433	PREPARED BY: C.H. CARLETON		DATE: 10/05/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 543'	8 5/8"	28#			
CASING:	909' - 2112'	7"	20#			
CASING:						
TUBING:						
TUBING:						



CURRENT



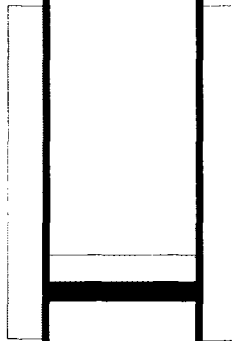
PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION
DATE PLUGGED: 03/19/76

CEMENT PLUG: 0'- 40' W/10 SXS
CEMENT PLUG: 500'- 600' W/35 SXS
8 5/8" CASING, SET W/50 SXS. TOC @ 210' (calc)



CEMENT PLUG: 850'- 950' W/35 SXS
CUT 7" CASING @ 909'



CIBP @ 2010' & CAPPED WITH 10 SXS CEMENT
7" CASING SET W/100 SXS. TOC @ 1300' (calc)

OPEN HOLE COMPLETION: 2112'- 2219'

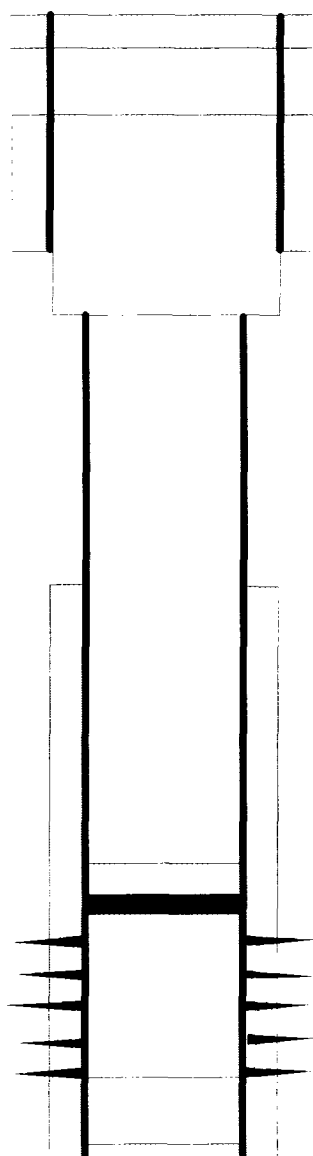
TD @ 2219'

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

VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION
WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #45			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 2080'FEL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3699'; KB=UNK			SPUD DATE: 02/29/56		COMP DATE: 04/17/56	
API#: 30-015-05312		PREPARED BY: C.H. CARLETON			DATE: 10/08/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 558'	8 5/8"	28#			10"
CASING:	660' - 3349'	5 1/2"	14#	J-55		8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 04/10/75

CEMENT PLUG: 0'- 35' W/10 SXS

CEMENT PLUG: 320'- 660' W/80 SXS

8 5/8" CASING, SET W/50 SXS. TOC @ 320'(calc)

CUT 5 1/2" CASING @ 660'

CEMENT RETAINER @ 3095', PUMP 70 SXS BELOW & CAP W/5 SXS

PERFORATE: 3158'- 3317' (OA)

5 1/2" CASING SET W/200 SXS. TOC @ 1715' (TEMP SURVEY)

TD @ 3350'

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 3150' - 3750'. The Grayburg formation consists primarily of quartz sand with cementation. The San Andres formation consists primarily of dolomite with intermingled stringers of quartz sand with dolomite cementation.

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

IX Stimulation Program:

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

X Well Logs:

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

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

XI Chemical Analysis of Fresh Water:

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

XII Affirmative Statement of Open Faults:

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

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

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

Devon Energy Operating Corporation operates the Grayburg-Jackson Unit in Section 20 of T17S-R31E. Offset operators in the "Area of Review" are as follows:

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

Operator was 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

April 14, 1997

Certified Mail P 240 501 848

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

RE: Devon Energy Corporation
Grayburg-Jackson Waterflood Project
Section 20 - T17S - R31E
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing an application to convert the Turner "B" #72 to water injection in the above referenced section. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

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

Sincerely,
Devon Energy Corporation

Randy Jackson
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	SENDER: <ul style="list-style-type: none">■ Complete items 1 and/or 2 for additional services.■ Complete items 3, 4a, and 4b.■ Print your name and address on the reverse of this form so that we can return this card to you.■ Attach this form to the front of the mailpiece, or on the back if space does not permit.■ Write "Return Receipt Requested" on the mailpiece below the article number.■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: WISER OIL COMPANY 8115 PRESTON ROAD, SUITE 400 DALLAS, TX 75225-6311		4a. Article Number P 240 501 848	
			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 APR 16 1997	
	5. Received By: (Print Name)		8. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X <i>Randy Jackson</i>				

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

Affidavit of Publication

Nº 19081

State of New Mexico,
County of Eddy, ss.

Arny 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:

April 18, 1997
_____, 19____
_____, 19____
_____, 19____
_____, 19____
_____, 19____

That the cost of publication is \$ 23.36,
and that payment thereof has been made and will
be assessed as court costs.

Arny McKay

Subscribed and sworn to before me this

21st day of April, 1997

Donna Crump

My commission expires 08/01/98

Notary Public

April 18, 1997

Notice is hereby given that Devon Energy Corporation is applying to the New Mexico Oil Conservation Division to convert one producing well to water injection for secondary recovery purposes in:

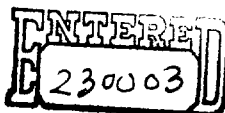
Section 20 of T17S-R31E,
Eddy County, NM

The intended purpose of this well is to inject produced waters into the Grayburg/San Andres Formations to enhance oil production through secondary recovery. Maximum injection rates of 600 bwod 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



3285