



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

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

WFX 10/17/97

725

September 23, 1997

Certified Mail: Z 397 639 797

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

RECEIVED

SEP 26 1997

Re: Application For Authorization To Inject  
Grayburg-Jackson Waterflood Project  
Hudson Federal #9  
Section 18-T17S-R31E  
Eddy County, NM

Dear Sir:

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

OK  
MIX-705  
NOT GOING TO  
RUN 4 1/2"  
INTERVAL NOT  
GOING TO CHANGET.

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: X 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: X 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/1 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: September 23, 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.**

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

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

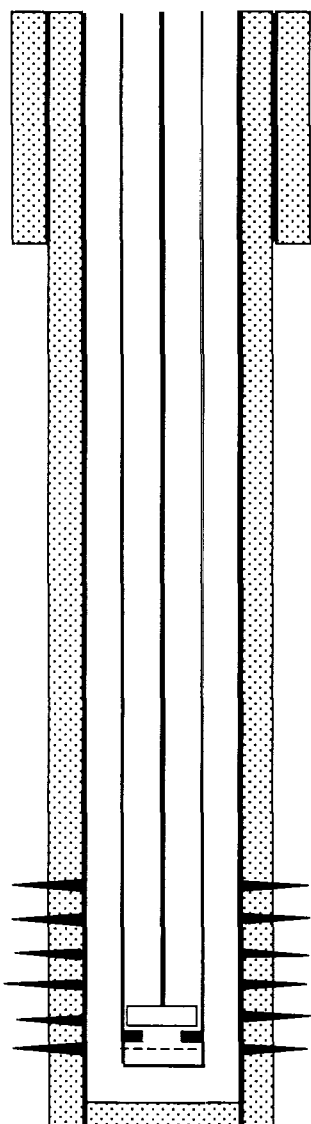
**III Well Data:**

- A.
- (1) Hudson Federal #9  
2310'FNL & 110'FEL  
Section 18-T17S-R31E  
Eddy County, NM
  - (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 1600'. TOC @ surface  
Hole Size = 12 1/4"
  - Production Casing:  
5 1/2" 15.5# 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 2750'.
  - (4) 5 1/2" Baker AD-1 tension packer set at 2750'.
- B.
- (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
  - (2) Water injection will be through perforations 2806'- 3717'(OA). **The injection interval is 2806'- 3717'.**
  - (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 2806'- 3717' interval.
  - (5) The top of the Seven Rivers formation is at approximately 1780', there are no known lower oil zones

### III Well Data:

<b>DEVON ENERGY CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: HUDSON FEDERAL #9			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FNL & 110'FEL, SEC 18-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3706'; KB=3720'			SPUD DATE: 03/01/96		COMP DATE: 05/03/96	
API#: 30-015-28790		PREPARED BY: C.H. CARLETON			DATE: 08/13/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 437'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3809'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3612'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT
  PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

8 5/8" CASING @ 437' W/500 SXS. TOC @ SURFACE

DETAIL OF PERFORATIONS

U.GRAYBURG: 2806', 09', 11', 13'

M.GRAYBURG: 2851', 61', 63'

LOCO HILLS: 2895', 97'

METEX: 2933', 35', 57', 59', 61'

L.GRAYBURG: 2985', 3019'

PREMIER: 3039', 69', 71', 73', 75'

LOVINGTON: 3202', 04', 06', 08', 10', 12', 23', 39', 47'

M.JACKSON: 3351', 53', 55', 93', 3405'

SLAUGHTER: 3630', 36', 38', 40', 42', 59', 76', 87', 92', 95', 3701', 09', 12', 17'

PERFORATIONS: 2806'- 3717' (OA) - 49 HOLES

SEAT NIPPLE @ 3575'

PBTD @ 3762'

5 1/2" CASING @ 3809' W/1100 SXS. TOC @ SURFACE

TD @ 3810'

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

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CASING:						
TUBING:	0' - 2750'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

☐ CURRENT

☒ PROPOSED

**OPERATOR: DEVON ENERGY CORPORATION(NEVADA)**

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**INJECTION INTERVAL: 2806'- 3717'**

BAKER AD-1 PACKER @ 2750'

PERFORATIONS: 2806'- 3717' (OA) - 49 HOLES

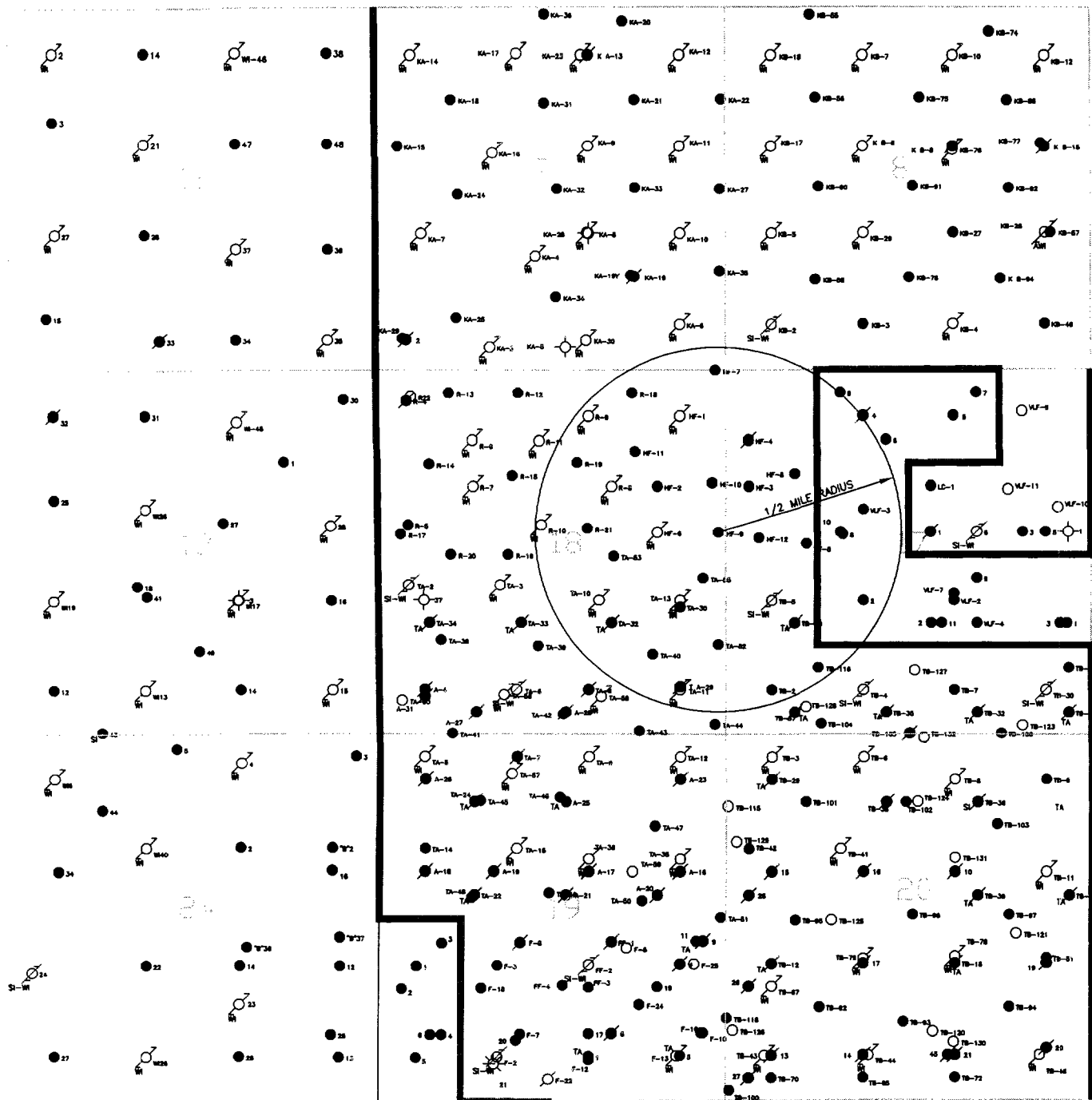
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NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

R 31 E



T 17 S

devon  
ENERGY CORPORATION

# GRAYBURG-JACKSON AREA

EDDY COUNTY, NEW MEXICO

HUDSON FEDERAL #9  
WELLS WITHIN A ONE HALF MILE RADIUS OF

2000 0 2000 4000  
Scale in Feet

CHC

8/97

HUDSON--9	

**WELL LISTING "AREA OF REVIEW"**  
**GRAYBURG-JACKSON WATERFLOOD**  
**HUDSON FEDERAL #9 - PROPOSED INJECTOR**

<b>WELL NAME</b>	<b>LOCATION</b>	<b>OPERATOR</b>	<b>STATUS</b>	<b>REMARKS</b>
Hudson Federal #1	18-T17S-R31E	Devon Energy Corp.	WIW	
Hudson Federal #2	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #3	17-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #4	17-T17S-R31E	Devon Energy Corp.	P&A'd	
Hudson Federal #5	17-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #6	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #7	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #8	17-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #9	18-T17S-R31E	Devon Energy Corp.	Active Oil	Proposed Injector
Hudson Federal #10	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Hudson Federal #12	17-T17S-R31E	Devon Energy Corp.	Active Oil	
Russell #8	18-T17S-R31E	Devon Energy Corp.	WIW	
Russell #9	18-T17S-R31E	Devon Energy Corp.	WIW	
Russell #10	18-T17S-R31E	Devon Energy Corp.	WIW	
Russell #18	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Russell #19	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Russell #21	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #10	18-T17S-R31E	Devon Energy Corp.	WIW	
Turner "A" #11	18-T17S-R31E	Devon Energy Corp.	WIW	
Turner "A" #13	18-T17S-R31E	Devon Energy Corp.	WIW	
Turner "A" #29	18-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #30	18-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Turner "A" #32	18-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "A" #40	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #52	18-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Turner "A" #53	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #55	18-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #2	17-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #5	17-T17S-R31E	Devon Energy Corp.	WIW (inactive)	
Turner "B" #40	17-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #116	17-T17S-R31E	Devon Energy Corp.	Active Oil	
		<b>OUTSIDE OPERATED</b>		
Foster-Eddy #3	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster-Eddy #4	17-T17S-R31E	Oryx Energy	P&A'd	
Foster-Eddy #8	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster-Eddy #10	17-T17S-R31E	Marbob Energy Corp.	Active Oil	
Foster Federal #8	17-T17S-R31E	Weier Drilling Company	P&A'd	
Superior #2	17-T17S-R31E	Trinity Univ. & Closuit	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>
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 CONVERT TO WATER INJECTION WELL RETURN WELL TO PRODUCTION PLUGGED & ABANDONED RE-ENTER AND DRILL OUT CEMENT PLUGS 4 1/2" @ 3634' W/450 SXS. CEMENT TO SURFACE PERFORATE: 2768'- 3469'(OA) RETURN WELL TO WATER INJECTION
HUDSON FEDERAL #2	1650'FNL & 990'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	8/22/39	10/27/39	OIL PRODUCER	3501'/3501'	9" @ 635' W/50 SXS 7" @ 2770' W/100 SXS OPEN HOLE COMPLETION: 2770'- 3501' IP=100 BOPD
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/50 SXS 7" @ 2803' W/100 SXS OPEN HOLE COMPLETION: 2803'- 3500' IP=52 BOPD PLUGGED & ABANDONED
HUDSON FEDERAL #5	2480'FNL & 1160'FWL SEC 17-T17S-R31E EDDY COUNTY, NM	7/26/67	8/10/67	WATER INJECTOR	3510'/3498'	8 5/8" @ 500' W/200 SXS. CEMENT TO SURFACE. 4 1/2" @ 3510' W/225 SXS PERFORATE: 3402'- 3490'(OA) COMPLETED AS WATER INJECTION WELL PERFORATE: 3168'- 3287'(OA) - CONVERT TO OIL PRODUCER IP=110 BOPD
			8/30/88	OIL PRODUCER	3510'/3287'	

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 #6	2310'FNL & 990'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	11/23/88	12/12/88	OIL PRODUCER	3505'/3505'	8 5/8" @ 373' W/275 SXS. CEMENT TO SURFACE. 5 1/2" @ 3505' W/1700 SXS. CEMENT TO SURFACE. PERFORATE: 2782' - 3469'(OA) IP=187 BOPD
HUDSON FEDERAL #7	10'FNL & 150'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/19/96	6/24/96	OIL PRODUCER	3835'/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) 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	3870'/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 #9	2310'FNL & 110'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	3/1/96	5/3/96	OIL PRODUCER	3810'/3762'	8 5/8" @ 437' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3809' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 2806' - 3717'(OA) IP=131 BOPD
HUDSON FEDERAL #10	1600'FNL & 200'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	2/23/96	3/21/96	OIL PRODUCER	3850'/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
HUDSON FEDERAL #12	2390'FNL & 475'FWL SEC 17-T17S-R31E EDDY COUNTY, NM	4/1/96	5/24/96	OIL PRODUCER	3852'/3806'	8 5/8" @ 433' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3851' W/1150 SXS. CEMENT TO SURFACE. PERFORATE: 2834' - 3732'(OA) IP=181 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>
C.A. RUSSELL #8	1650'FNL & 1650'FWL SEC 18-T17S-R31E EDDY COUNTY, NM	2/23/40	4/26/40	OIL PRODUCER	3497'/3497'	10 3/4" @ 600' W/50 SXS 7" @ 2880' W/100 SXS OPEN HOLE COMPLETION: 2880'- 3497' IP=250 BOPD TEMPORARILY ABANDONED
			5/5/73 1/18/97	WATER INJECTOR	3500'/3460'	4 1/2" @ 3500' W/350 SXS. CEMENT TO SURFACE. PERFORATE: 2738'- 3457'(OA) CONVERT TO WATER INJECTION WELL
C.A. RUSSELL #9	660'FNL & 1980'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/4/40	7/11/40	OIL PRODUCER	3495'/3495'	8 5/8" @ 598' W/50 SXS 7" @ 2850' W/100 SXS OPEN HOLE COMPLETION: 2850'- 3495' IP=51 BOPD
			5/12/69		3495'/3483'	4 1/2" @ 3484' W/250 SXS. TOC @ 1620'(TEMP SURVEY) PERFORATE: 3410'- 3465'(OA) - RETURN TO PRODUCTION
			10/28/70 12/20/96	WATER INJECTOR		PERFORATE: 2941'- 3110'(OA) - RETURN TO PRODUCTION CUTOFF 4 1/2" CASING @ 1663' SET 4 1/2" CSG & 5 1/2" SLIP JT @ 1663' W/250 SXS. CEMENT TO SURFACE. PERFORATE: 2740'- 3452'(OA) CONVERT TO WATER INJECTION WELL
C.A. RUSSELL #10	2200'FNL & 2665'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	12/11/49	2/5/50	OIL PRODUCER	3510'/3510'	8 5/8" @ 612' W/50 SXS 7" @ 3280' W/100 SXS OPEN HOLE COMPLETION: 3280'- 3510' IP=77 BOPD
			10/28/53 4/29/67 12/2/96	WATER INJECTOR	3510'/3459'	PERFORATE: 2896'- 2948'(OA) - RETURN TO PRODUCTION CONVERT TO WATER INJECTION WELL
						4 1/2" @ 3508' W/325 SXS. CEMENT TO SURFACE. PERFORATE: 2752'- 3456'(OA) - RETURN TO INJECTION
C.A. RUSSELL #18	330'FNL & 1350'FEL 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

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
C.A. RUSSELL #19	1310'FNL & 2150'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/2/96	5/26/96	OIL PRODUCER	3820'/3778'	8 5/8" @ 386' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3819' W/975 SXS. CEMENT TO SURFACE. PERFORATE: 2761' - 3712'(OA) IP=136 BOPD
C.A. RUSSELL #21	2250'FNL & 2000'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	4/25/96	5/18/96	OIL PRODUCER	3800'/3752'	8 5/8" @ 393' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3799' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 2753' - 3463'(OA) IP=216 BOPD
TURNER "A" #10	1980'FSL & 1830'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	2/2/41	4/16/41	OIL PRODUCER	3465'/3465'	8 5/8" @ 564' W/50 SXS 7" @ 2980' W/100 SXS OPEN HOLE COMPLETION: 2980' - 3465' IP=360 BOPD CONVERT TO WATER INJECTION WELL
TURNER "A" #11	660'FSL & 660'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	1/27/41	8/1/41	OIL PRODUCER	3399'/3399'	8 5/8" @ 552' W/50 SXS 7" @ 2950' W/100 SXS OPEN HOLE COMPLETION: 2950' - 3390' IP=250 BOPD DEEPEN OPEN HOLE TO 3451' - RETURN TO PRODUCTION CONVERT TO WATER INJECTION WELL
			6/17/44 12/19/67 1/5/70 11/6/96	WATER INJECTOR	3451'/3451' 3451'/3441'	4 1/2" @ 3451' W/200 SXS. TOC @ 800'(TEMP SURVEY) PERFORATE: 3330' - 3437'(OA) - RETURN TO INJECTION PERFORATE: 2717' - 3042'(OA) - RETURN TO INJECTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "A" #13	1880FSL & 660FEL SEC 18-T17S-R31E EDDY COUNTY, NM	9/14/41	11/16/41	OIL PRODUCER	3458'/3458'	8 5/8" @ 515' W/50 SXS 7" @ 2910' W/100 SXS OPEN HOLE COMPLETION: 2910'- 3458' IP=125 BOPD SQUEEZE CASING LEAKS @ 2528', 2532', 2535' W/750 SXS RETURN TO PRODUCTION DEEPEN OPEN HOLE TO 3600' 4 1/2" @ 3599' W/450 SXS. CEMENT TO SURFACE. PERFORATE: 2713'- 3429'(OA) CONVERT TO WATER INJECTION WELL
TURNER "A" #29	705FSL & 660FEL SEC 18-T17S-R31E EDDY COUNTY, NM	5/4/53	6/4/53	OIL PRODUCER	1977'/1977'	9 5/8" @ 556' W/50 SXS 7" @ 1910' W/100 SXS 5 1/2" LINER @ 1899- 1977' (LANDED, NOT CEMENTED) PERFORATE: 1932'- 1977'(OA) IP=20 BOPD PLUGGED & ABANDONED
TURNER "A" #30	1880FSL & 660FEL SEC 18-T17S-R31E EDDY COUNTY, NM	3/26/53	4/28/53	OIL PRODUCER	1969'/1969'	8 5/8" @ 530' W/50 SXS 7" @ 1910' W/100 SXS 5 1/2" LINER @ 1882'- 1969' (LANDED, NOT CEMENTED) PERFORATE: 1927'- 1969'(OA) IP=25 BOPD
TURNER "A" #32	1650FSL & 1650FEL SEC 18-T17S-R31E EDDY COUNTY, NM	7/22/53	8/19/53	OIL PRODUCER	1965'/1965'	9 5/8" @ 530' W/50 SXS 7" @ 1895' W/100 SXS 5 1/2" LINER @ 1885'- 1965' (LANDED, NOT CEMENTED) PERFORATE: 1920'- 1965'(OA) IP=30 BOPD PLUG BACK TO 1825' W/4350# SAND & 30 SXS CEMENT TEMPORARILY ABANDONED
TURNER "A" #40	1191FSL & 1056FEL SEC 18-T17S-R31E EDDY COUNTY, NM	3/5/96	4/19/96	OIL PRODUCER	3810'/3763'	8 5/8" @ 420' W/585 SXS. CEMENT TO SURFACE. 5 1/2" @ 3809' W/1300 SXS. TOC @ 150'(CBL) PERFORATE: 2735'- 3706'(OA) IP=208 BOPD

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "A" #52	1335'FSL & 110'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	3/25/96	5/8/96	OIL PRODUCER	3795'/3300'	8 5/8" @ 399' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3794' W/1200 SXS. CEMENT TO SURFACE. PERFORATE: 3364'- 3442'(OA) SET CIBP @ 3320' & CAP W/20' CEMENT PERFORATE: 2756'- 3232'(OA) PRODUCED 100% WATER - SHUT WELL IN
TURNER "A" #53	2630'FSL & 1620'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	2/8/96	3/20/96	OIL PRODUCER	3780'/3733'	8 5/8" @ 380' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3779' W/925 SXS. CEMENT TO SURFACE. PERFORATE: 2788'- 3645'(OA) IP=272 BOPD
TURNER "A" #55	2307'FSL & 330'FEL SEC 18-T17S-R31E EDDY COUNTY, NM	6/4/96	7/4/96	OIL PRODUCER	3770'/3727'	8 5/8" @ 464' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3769' W/1000 SXS. CEMENT TO SURFACE. PERFORATE: 2711'- 3691'(OA) IP=140 BOPD
TURNER "B" #2	660'FSL & 660'FWL SEC 17-T17S-R31E EDDY COUNTY, NM	4/12/41	6/6/41	OIL PRODUCER	3448'/3448'	8 5/8" @ 554' W/50 SXS 7" @ 2935' W/100 SXS OPEN HOLE COMPLETION: 2935'- 3448' IP=275 BOPD
TURNER "B" #5	1980'FSL & 660'FWL SEC 17-T17S-R31E EDDY COUNTY, NM	12/31/41	7/10/42	OIL PRODUCER	3461'/3461'	8 5/8" @ 525' W/50 SXS 7" @ 2952' W/100 SXS OPEN HOLE COMPLETION: 2952'- 3461' IP=130 BOPD
			12/22/69	WATER INJECTION	3461'/3456'	4 1/2" @ 3456' W/150 SXS. TOC @ 1780'(TEMP SURVEY) PERFORATE: 3346'- 3450'(OA) CONVERT TO WATER INJECTION WELL
TURNER "B" #40	1650'FSL & 990'FWL SEC 17-T17S-R31E EDDY COUNTY, NM	2/21/53	3/23/53	OIL PRODUCER	1992'/1992'	8 5/8" @ 543' W/50 SXS 7" @ 1925' W/100 SXS 5 1/2" LINER @ 1912'- 1992' (LANDED, NOT CEMENTED) PERFORATE: 1951'- 1992'(OA) IP=26 BOPD



VI Wells Within "Area Of Review"

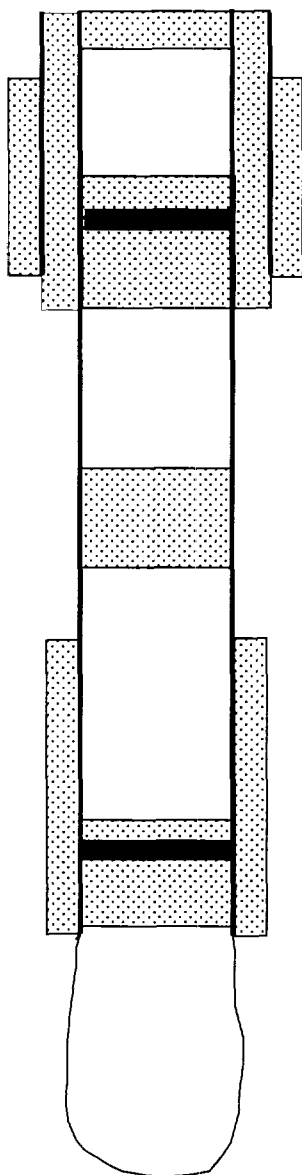
<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FOSTER-EDDY FEDERAL #3 Marbob Energy Corporation	1980FNL & 1980FWL SEC 17-T17S-R31E EDDY COUNTY, NM	4/1/43	6/20/43	OIL PRODUCER	3520'/3520'	8 5/8" @ 543' W/50 SXS 7" @ 2913' W/100 SXS OPEN HOLE COMPLETION: 2913'- 3520' IP=80 BOPD
FOSTER-EDDY FEDERAL #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
FOSTER-EDDY FEDERAL #6 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. CEMENT TO SURFACE. 5 1/2" @ 6022' W/4400 SXS. CEMENT TO SURFACE. PERFORATE: 2888' - 3813'(OA) IP=70 BOPD
FOSTER-EDDY FEDERAL #10 Marbob Energy Corporation	2310FNL & 1650FWL SEC 17-T17S-R31E EDDY COUNTY, NM	1/1/1/91	1/1/1/92	OIL PRODUCER	5580'/5542'	13 3/8" @ 211' W/225 SXS 8 5/8" @ 1348' W/750 SXS 5 1/2" @ 5554' W/1250 SXS PERFORATE: 2882' - 4509'(OA) IP=78 BOPD
FOSTER FEDERAL #8 Weier Drilling Company	2342FNL & 1682FWL SEC 17-T17S-R31E EDDY COUNTY, NM	5/15/54	6/21/54	OIL PRODUCER	2081'/2081'	7" @ 518' W/50 SXS 5 1/2" @ 1962' W/100 SXS OPEN HOLE COMPLETION: 1962' - 2081' IP=9 BOPD PLUGGED & ABANDONED
SUPERIOR FEDERAL #2 Trinity University & Ciosuit	1980FSL & 1980FWL SEC 17-T17S-R31E EDDY COUNTY, NM	7/20/41	10/5/41	OIL PRODUCER	3492'/3492'	8 1/4" @ 555' W/50 SXS 7" @ 3040' W/100 SXS OPEN HOLE COMPLETION: 3040' - 3492' IP=60 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'

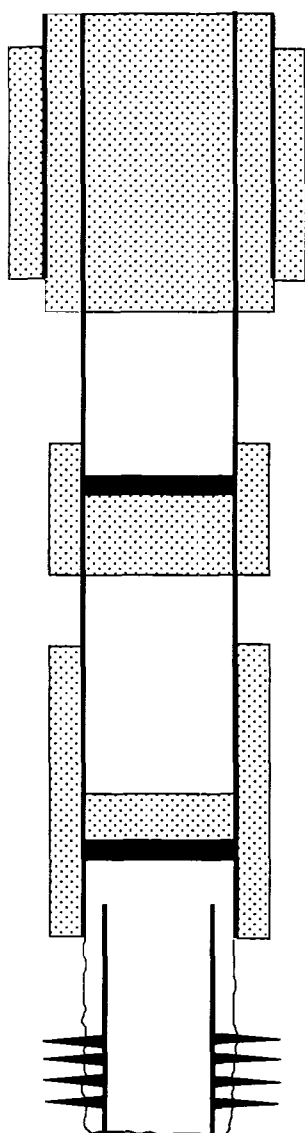
TD @ 3500'

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: TURNER "A" #29			FIELD: GRAYBURG-JACKSON			
LOCATION: 705'FSL & 660'FEL, SEC 18-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3694'; KB=UNK			SPUD DATE: 05/04/53		COMP DATE: 06/04/53	
API#: 30-015-05226		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 556'	9 5/8"	25#			12 1/2"
CASING:	0' - 1910'	7"	20#			9"
CASING:	1899' - 1977'	5 1/2"	14#			6"
TUBING:						
TUBING:						



☒ CURRENT ☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 08/25/94

CEMENT PLUG: 0'- 580'

9 5/8" CASING, SET W/50 SXS. TOC @ 460' (calc)

CEMENT RETAINER @ 1191', PUMP 100 SXS BELOW RETAINER.

PERFORATE 7" CASING @ 1250' & 1300'

CIBP @ 1850', CAP WITH 8 SXS.

7" CASING SET W/100 SXS. TOC @ 1530' (calc)

PERFORATIONS: 1932'- 1977' (W/253 QTS NITRO)

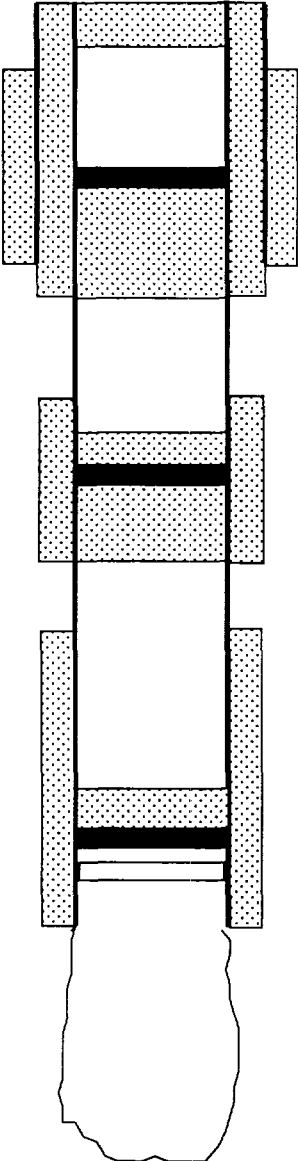
5 1/2" LINER LANDED (NOT CEMENTED)  
TD @ 1977'

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

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
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:						



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'

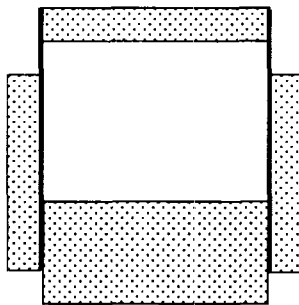
TD @ 3505'

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

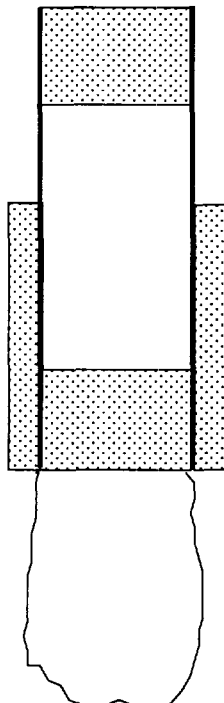
WELL NAME: FOSTER FEDERAL #8			FIELD: GRAYBURG-JACKSON			
LOCATION: 2342'FNL & 1682'FWL, SEC 17-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK; DF=3721'			SPUD DATE: 05/15/54		COMP DATE: 07/03/54	
API#: 30-015-05207		PREPARED BY: C.H. CARLETON			DATE: 04/23/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 517'	7"	20#			
CASING:	1100' - 1966'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
 ☐ PROPOSED

**OPERATOR: WEIER DRILLING COMPANY**  
**DATE PLUGGED: 06/16/60**

CEMENT PLUG: 0'- 10'  
 CEMENT PLUG: 350'- 550'  
 7" CASING, SET W/50 SXS. TOC @ UNKNOWN



CUT 5 1/2" CASING @ 1100'  
 CEMENT PLUG: 1106'- 1200'

CEMENT PLUG: 1900'- 1966'

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

OPEN HOLE COMPLETION: 1966'- 2081'

TD @ 2081'

**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 2806'- 3717'. 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 18 of T17S-R31E. Offset operators in the “Area of Review” are as follows:

(1) Marbob Energy Corporation  
P.O. Box 227  
Artesia, NM 88210

(2) Trinity University & Closuit  
P.O. Box 6A  
Loco Hills, NM 88255

Operator was provided a letter by certified mail. Proof of notice is attached.

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

**devon**  
**ENERGY CORPORATION**

20 North Broadway, Suite 1500 Telephone: 405/235-3611  
Oklahoma City, Oklahoma 73102-8260

August 18, 1997

**Certified Mail Z 397 639 791**

Marbob Energy Corporation  
P.O. Box 227  
Artesia, NM 88210

RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Hudson Federal #9  
2310' FNL & 110' FEL  
Section 18 - 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 Hudson Federal #9 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

<b>SENDER:</b> <ul style="list-style-type: none"><li>■ Complete items 1 and/or 2 for additional services.</li><li>■ Complete items 3, 4a, and 4b.</li><li>■ Print your name and address on the reverse of this form so that we can return this card to you.</li><li>■ Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>■ Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>■ The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		I also wish to receive the following services (for an extra fee): <ul style="list-style-type: none"><li>1. <input type="checkbox"/> Addressee's Address</li><li>2. <input type="checkbox"/> Restricted Delivery</li></ul> Consult postmaster for fee.	
3. Article Addressed to: MARBOB ENERGY CORPORATION P.O. BOX 227 ARTESIA, NM 88210		4a. Article Number Z 397 639 791	
		4b. Service Type <ul style="list-style-type: none"><li><input type="checkbox"/> Registered</li><li><input type="checkbox"/> Express Mail</li><li><input type="checkbox"/> Return Receipt for Merchandise</li><li><input checked="" type="checkbox"/> Certified</li><li><input type="checkbox"/> Insured</li><li><input type="checkbox"/> COD</li></ul>	
5. Received By: (Print Name) MISTI McLurg		7. Date of Delivery 8-21-97	
6. Signature: (Addressee or Agent) X MISTI McLurg		8. Addressee's Address (Only if requested and fee is paid)	

Is your RETURN ADDRESS completed on the reverse side?



ENERGY CORPORATION

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

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

September 9, 1997

**Certified Mail P 240 501 957**  
**(Second Notification)**

Trinity University & Closuit  
P.O. Box 6A  
Loco Hills, NM 88255


RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Hudson Federal #9  
2310'FNL & 110"FEL  
Section 18 - 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 Hudson Federal #9 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.

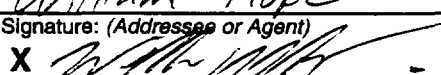
Please direct any questions regarding this matter to the undersigned at 405/552-4560.

Sincerely,  
Devon Energy Corporation

  
Randy Jackson  
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	<b>SENDER:</b> <ul style="list-style-type: none"><li>Complete items 1 and/or 2 for additional services.</li><li>Complete items 3, 4a, and 4b.</li><li>Print your name and address on the reverse of this form so that we can return this card to you.</li><li>Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		I also wish to receive the following services (for an extra fee): <ul style="list-style-type: none"><li>1. <input type="checkbox"/> Addressee's Address</li><li>2. <input type="checkbox"/> Restricted Delivery</li></ul> Consult postmaster for fee.	
	3. Article Addressed to: TRINITY UNIVERSITY & CLOSUIT P.O. BOX 6A LOCO HILLS, NM 88255		4a. Article Number P 240 501 957	
			4b. Service Type <ul style="list-style-type: none"><li><input type="checkbox"/> Registered</li><li><input type="checkbox"/> Express Mail</li><li><input type="checkbox"/> Return Receipt for Merchandise</li><li><input checked="" type="checkbox"/> Certified</li><li><input type="checkbox"/> Insured</li><li><input type="checkbox"/> COD</li></ul>	
	5. Received By: (Print Name) William Hope		7. Date of Delivery 9-18-97	
	6. Signature: (Addressee or Agent) X 		8. Addressee's Address (Only if requested and fee is paid)	

Thank you for using Return Receipt Service



# Affidavit of Publication

Nº 18730

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:

August 20, 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.

Amy McKay

Subscribed and sworn to before me this

21<sup>st</sup> day of August, 1997

Notary Public

My commission expires 8/1/98  
Notary Public

August 20, 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 18 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 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