

**devon**

**ENERGY CORPORATION**

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

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

August 12, 1994

RE: Application for Authorization to Inject  
East Shugart Unit #33

State of New Mexico  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, NM 87504

Attn: Mr. Dave Catanach

Dear Mr. Catanach:

Enclosed are the original and 1 copy of our Application for Authorization to Inject (Form C-108) for the above referenced well in Eddy County. I also sent a copy of this application to the Artesia district office and the Bureau of Land Management office in Carlsbad. Please direct any inquiries concerning this application to our area district engineer, E. L. Butross (Ernie) at (405) 552-4509.

Sincerely yours,

Devon Energy Corporation (Nevada)



Karen Rosa  
Engineering Assistant

/kr

Enclosures

cc: OCD - Artesia District Office  
BLM - Carlsbad

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 North Broadway, Suite 1500, Oklahoma City, OK 73102  
Contact party: E. L. Buttross, Jr. (Ernie) Phone: (405) 552-4509
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.  
refer to Attachment III
- IV. Is this an expansion of an existing project?  yes  no  
If yes, give the Division order number authorizing the project \_\_\_\_\_.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. refer to Attachment V
- \* 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. refer to Attachment VI
- VII. Attach data on the proposed operation, including: refer to Attachment VII
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval. refer to Attachment VIII
- IX. Describe the proposed stimulation program, if any. The perfs will be acidized with 15% HCl acid.
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) This information is already on file with the OCD.
- \* 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. There are no fresh water wells in this area.
- 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. refer to Attachment XII.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. refer to Attachment XIV.
- 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: E. L. Buttross, Jr. Title District Engineer

Signature: E. L. Buttross Jr. Date: 8/4/94

- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## III. WELL DATA

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

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

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

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

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

## XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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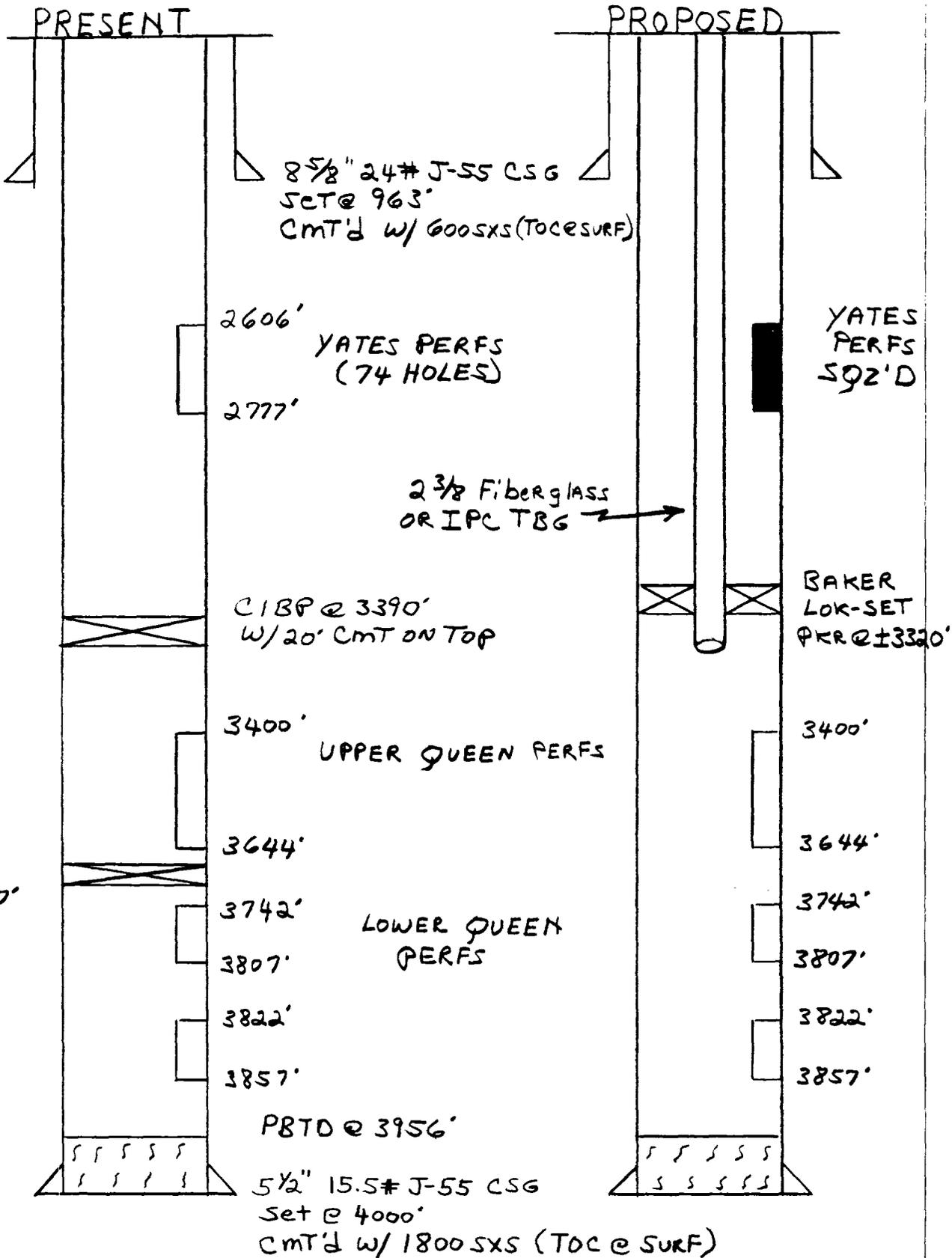
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

WELLBORE SCHEMATIC

EAST SHUGART UNIT #33

660' FNL + 990' FNL, SEC 34-T18S-R31E

EDDY COUNTY, NM.



42 381 50 3811 5 SQUARE  
42 382 50 3811 5 SQUARE  
NATIONAL

### ATTACHMENT III (tabular)

#### WELL DATA

- A. (1) East Shugart Unit #33  
660' FNL & 990' FEL  
Section 34-T18S-R31E  
Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III-(schematic).  
Cement was circulated back to surface on the surface string and the production string.
- (3) We will be using 2 3/8" fiberglass or internally coated tubing. The tubing will be set at 3320' ( $\pm$ ).
- (4) We will use a 5 1/2" x 2 3/8" Loc-set packer (internally coated) set at 3320' ( $\pm$ ).
- B. (1) The injection formations will be the Queen sands in the Shugart (Y-SR-Q-G) Field.
- (2) The injection interval will be selectively perforated. The proposed perforated intervals are as follows:
- |                                |                          |
|--------------------------------|--------------------------|
| 3400' - 3450' (12' - 24 holes) |                          |
| 3529' - 3537' (7' - 14 holes)  |                          |
| 3638' - 3644' (7' - 14 holes)  | <u>Total perfs = 103</u> |
| 3742' - 3807' (29' - 29 holes) |                          |
| 3822' - 3857' (20' - 22 holes) |                          |
- (3) This well was originally drilled as a Yates-Queen oil well. It was shut-in after testing at a non-commercial rate from these zones.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic). The Yates perfs from 2606' - 2777' will be cement squeezed. The CIBP's at 3390' and 3680' will be drilled out.
- There are no lower oil or gas zones in the area of this well. The Yates is open above the proposed injection perfs from 2606'-2777' but these perfs will be
- (5) cement squeezed prior to converting the well to injection.

ATTACHMENT VI

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMPLETION DATE</u>	<u>TYPE OF WELL</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
HINKLE "B" FED #5	Sec. 34-18S-31E 330' FNL & 990' FWL	8/17/75	9/9/75	Queen Oil	TD 3634' PBTD N/A	8 5/8" casing @ 650' (300 sx cmt.) 5 1/2" casing @ 3634' (300 sx cmt.) Perf'd 2536' - 2790' (28 holes) 40,000 gal lease oil 45,000# 20/40 sand 250 gals acid (15% reg) 250 gals conv. DS 30 acid
HINKLE "B" FED. #6	Sec. 34-18S-31E 330' FNL & 1650' FWL	1/8/76	1/20/76	Queen Oil	TD 4493' PBTD N/A	8 5/8" csg @ 650' (300 sx cmt.) 4 1/2" csg @ 4481' (300 sx cmt.) Perf'd 3600' - 3662' (12 holes) 40,000 gals H <sub>2</sub> O Perf'd 3782' - 3800' (10 holes) 55,000# 20/40 sand 12 bbls 15% acid
HINKLE "B" FED. #7	Sec. 34-18S-31E 1650' FNL & 990' FWL	8/27/76	9/27/76	Queen Oil	TD 3955' PBTD 3930'	8 5/8" csg @ 650' (275 sx cmt.) 4 1/2" csg @ 3635' (800 sx cmt.) Perf'd 3558' - 3656' (21 holes) 40,000 gals H <sub>2</sub> O, 40,000# 20/40 sand Perf'd 3722' - 3854' (26 holes) 40,000 gals H <sub>2</sub> O, 40,000# 20/40 sand

*No cement  
to 100'*

*✓*

*✓*

ATTACHMENT VI

WELL NAME	LOCATION	SPUD DATE	COMPLETION DATE	TYPE OF WELL	DEPTH/PBTD	COMPLETION RECORD
HINKLE "B" FED. #19	Sec. 34-18S-31E 990' FNL & 330' FWL	8/18/83	10/13/83	Grayburg Oil	TD 4200' PBTD N/A	8 5/8" csg @ 657' (400 sx class "C" cmt., 2% CCL) 4 1/2" csg @ 4200' (630 sx pacesetter lte + 10# SK salt + .3% A.F.S. 300 sx 50/50 POZ C + .6# C.F. 9 + 3% TF + .3% KCl Plug Down) Perf'd 3786' - 3902' (25 holes) 50,000# 20/40 sand, 37,000 gals of gelled water, 500 gals 15% HCl acid, 1500# LFW-30, 1000# Adomtic, 110 gals of Gyptcol, 8-15 gals NEII
HINKLE "B" FED. #21	Sec. 34-18S-31E 2310' FNL & 990' FWL	2/14/91	4/17/91	Seven Rivers Oil	TD 4500' PBTD 3792'	8 5/8" csg @ 790' (500 sx cmt.) 4 1/2" csg @ 4500' (900 sx cmt.) Perf'd 2694' - 2757' 750 gals 15% SRA, 20,000 gals Foam, 35,000# 20/40 sand
HINKLE "B" FED. #18	Sec. 34-18S-31E 2310' FWL & 990' FNL	10/13/82	11/9/82	Grayburg Oil	TD 4492' PBTD N/A	8 5/8" csg @ 654' (400 sx Class "C", 2% CCL) 4 1/2" csg @ 4492' (775 sx 50/50 POS, 100# sx Class "C", 1% CCL) Perf'd 3756' - 3764' (5 holes) Perf'd 3766' - 3784' (10 holes) Perf'd 3786' - 3804' (10 holes)
GREENWOOD UNIT FED. #2	Sec. 34-18S-31E 1980' FNL & 1980' FEL	8/18/57	1/27/58	Morrow Gas	TD 12,925' PBTD 11,495'	16" csg @ 770' (2000 sx cmt.) 10 3/4" csg @ 6420' (1735 sx cmt.) - 13 2/4 7" csg @ 12,863' (770 sx cmt.) 2 7/8" csg @ 10,860 Perf'd 10,912' - 10,948' (4 shots per ft.) Perf'd 11,125' - 11,438' (4 shots per ft.)



ATTACHMENT VI

WELL NAME	LOCATION	SPUD DATE	COMPLETION DATE	TYPE OF WELL	DEPTH/PBTD	COMPLETION RECORD
EAST SHUGART UNIT #16	Sec. 34-18S-31E 1650' FSL & 990' FWL	7/26/59	9/29/59	Yates Oil	TD 3857' PBTD 2900'	<p>8" csg @ 862' (50 sx cmt.)                      5 1/2" csg @ 2900' (150 sx cmt.)                      Perf'd 2777' - 2759', 2724' - 2716', 2712' - 2702', 2684' - 2668', 2652' - 2634'                      1200 bbls oil + 80,000# sand</p> <p><i>8 1/2" csg @ 3925' (225 sx cmt.)</i>                      Perf'd Queen 3833' - 3308' (22 holes) Frac'd w/40,000 gals H<sub>2</sub>O and 40,000# 20/40 sand                      Perf'd Yates 2697' - 2670', 2740' - 2716' (15 holes) Frac'd w/25,000 gals H<sub>2</sub>O and 25,000# 20/40 sand</p>
EAST SHUGART UNIT #17	Sec. 34-18S-31E 1650' FSL & 2310' FWL	1944	7/44 10/69 Deopened to Queen	Queen Oil Yates Oil	TD 3925' PBTD 3892'	<p>8 5/8" csg @ 911' (50 sx cmt.)                      7" csg @ 2655' (100 sx cmt.)                      4 1/2" csg @ 3550' (250 sx cmt.)                      Perf'd Yates 2685', 2694', 2709', 2716', 2738', 2743', 2821', 2840', and 2847' (9 holes)                      800 gals 15% LSTNE HCl acid. Frac'd w/ 35,000 gals H<sub>2</sub>O + 35,000# 20/40 sand.                      Open hole (3550' - 3905')</p>
EAST SHUGART UNIT #18	Sec. 34-18S-31E 1650' FSL & 1650' FEL	3/9/59	5/10/59	Yates/Seven Rivers/Queen Oil	TD 3905' PBTD 3905'	<p>7" csg @ 2570' (mudded)                      5 1/2" csg @ 3448' (25 sx cmt.)                      Perf'd 3398' - 3416'</p>
EAST SHUGART UNIT #27	Sec. 34-18S-31E 990' FSL & 1650' FEL	4/28/52	7/26/52	Queen Oil	TD 3675' PBTD 3671'	<p>7" csg @ 2570' (mudded)                      5 1/2" csg @ 3448' (25 sx cmt.)                      Perf'd 3398' - 3416'</p>

## ATTACHMENT VII

### PROPOSED OPERATION

1. Plans are to inject 500 - 700 bbls of produced water per day.
2. The injection system will be a closed system.
3. The proposed injection pressure is 1250 psig. Maximum pressure will be 1500 psig.
4. The injection fluid will be reinjected produced water.
5. A sample of produced water from the East Shugart Unit battery was analyzed by Baker Performance Chemicals' lab. Please refer to Attachment VII-5 for a copy of the analysis.

ATTACHMENT VII-5



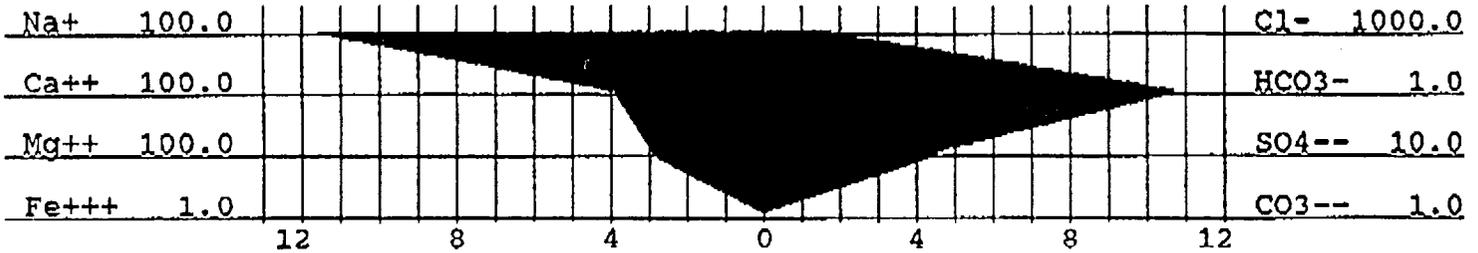
**BAKER PERFORMANCE  
CHEMICALS**  
A Division of Baker Performance Chemicals, Inc.

**WATER ANALYSIS  
for  
DEVON ENERGY**

<b>Date of Analysis:</b> FEBRUARY 26, 1993	<b>Analysis #:</b> 2080
<b>Company:</b> DEVON ENERGY	<b>Company Address:</b> ARTESIA
<b>State:</b> NEW MEXICO	<b>Field:</b> N/D
<b>Lease:</b> E.S.U.	<b>Well #:</b>
<b>Oil (bbl/day):</b> N/D	<b>Water (bbl/day):</b> N/D
<b>Type of Water:</b> PRODUCED	<b>Temp., C:</b> 20
<b>Sample Source:</b> AHEAD OF FILTER	<b>Date of Sampling:</b> FEBRUARY 26, 1993
<b>Representative:</b> STEVE STROUD	<b>Analysis By:</b> SUZANNE WILLIAMS

**WATER ANALYSIS PATTERN**

(number beside ion symbol indicates me/l scale unit)



DISSOLVED SOLIDS

CATIONS	me/l	mg/l
Total Hardness :	700.00	
Calcium, (Ca++) :	400.00	8019.25
Magnesium, (Mg++) :	300.00	3645.42
Iron, (Fe++) :	0.01	0.10
Barium, (Ba++) :	N/D	N/D
Sodium, Na+(calc) :	1188.81	27342.56
Manganese, (Mn++) :	0.00	0.00

ANIONS	me/l	mg/l
Chloride, Cl- :	1830.99	64997.87
Sulfate, SO4-- :	46.82	2250.00
Carbonate, CO3-- :	0.00	0.00
Bicarbonate, HCO3- :	11.00	671.14
Hydroxyl, OH- :	0.00	0.00
Sulfide, S-- :	0.00	0.00
<b>TOTAL SOLIDS (quant. ):</b>		<b>106926.30</b>

DISSOLVED GASES

Hydrogen sulfide:	100.00	mg/l
Carbon dioxide :	118.80	mg/l
Oxygen :	0.30	mg/l

PHYSICAL PROPERTIES

pH :	6.25
Spec Grav. :	1.070
TDS (calc.) :	106937.34

SCALE STABILITIES

Temp., C	CaCO3	CaSO4	BaSO4
20.0	0.27	2525	0
30.0	0.45	2679	0
40.0	0.68	2919	0
<b>Max entity, (calc.)</b>	<b>3293</b>		<b>0</b>

**RESIDUAL HYDROCARBONS:** N/D

N/D = not determined

@20'C...CALCIUM SULFATE SCALING IS LIKELY.  
@20'C...SLIGHTLY CORROSIVE, AND SLIGHT CARBONATE SCALING.

## ATTACHMENT VIII

### GEOLOGY AND LITHOLOGY

Injection zones are sand lenses within the Queen formation at an average depth of 3,600 feet. Specifically they are:

Upper Queen 2 - 3,400-3,450 (50')

Upper Queen 2 - 3,529-3,537 (8')

Lower Queen 1 - 3,638-3,644 (6')

Lower Queen 2 - 3,742-3,807 (65')

Lower Queen 3 & 4 - 3,822-3,857 (35')

#### Fresh Water Zones

Base of near surface aquifer - 950 feet

No fresh water zones exist below the proposed injection intervals

## **ATTACHMENT XII**

No evidence of fault communication between the shallow aquifers and the proposed injection zones has been encountered as the result of detailed studies of formations in the East Shugart Unit.

## **ATTACHMENT XIV**

### **PROOF OF NOTICE**

Devon Energy Corporation (Nevada) operates the East Shugart Unit in Section 34. Phillips Petroleum, TXO (Marathon), Amoco and Westall operate wells within the area of review. Each of these operators were provided a copy of our application by certified mail. Proof of notice is enclosed. The Bureau of Land Management is the surface owner. They have been notified by BLM Sundry Notice.

### **PROOF OF PUBLICATION**

Proof of publication from the Carlsbad Current-Argus is enclosed.

ATTACHMENT XIV (Proof of Notice)

Is your RETURN ADDRESS completed on the reverse side?

ESU #33 AAT

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Ray Westall  
P. O. Box 4  
Loco Hills, NM 88255

4a. Article Number  
Z 147 280 898

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
08-08-94

5. Signature (Addressee)

6. Signature (Agent)  
*Chris Jackson*

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

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

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

ESU #33 AAT

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
Phillips Petroleum Co.  
5525 Hwy 64  
Farmington, NM 87401

4a. Article Number  
Z 147 280 900

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

6. Signature (Agent)  
*Julie Thatcher*

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

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

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

ESU #33 AAT

**SENDER:**

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I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
AMOCO PRODUCTION CO.  
P. O. Box 3092  
Houston, TX 77253

4a. Article Number  
Z 147 280 897

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
AUG - 8 1994

5. Signature (Addressee)

6. Signature (Agent)  
*C. Kell*

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

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

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

ESU #33 AAT

**SENDER:**

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- 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):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
MARATHON OIL (TXO)  
P. O. Box 552  
Midland, Texas 79702

4a. Article Number  
Z 147 280 899

4b. Service Type  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
AUG 8 1994

5. Signature (Addressee)

6. Signature (Agent)

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

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

Thank you for using Return Receipt Service.

# Affidavit of Publication

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:

MARCH 4, 1994  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_

That the cost of publication is \$ 24.53,  
and that payment thereof has been made and will be assessed as court costs.

Amy McKay  
Subscribed and sworn to before me this  
8 day of March, 1994  
Edith L. Farn

My commission expires 01/18/98  
Notary Public

March 4, 1994

Notice is hereby given that Devon Energy Corporation (Nevada) is applying to the New Mexico Oil Conservation Division to convert the following well to an injection well for secondary recovery purposes:

East Shugart Unit #33  
2380' FSL & 1680' FWL  
Section 34-T18S-R31E  
Eddy County, NM

The intended purpose of this well is to inject produced waters into the Queen Sand to enhance oil production through secondary recovery. Maximum injection rates of 500-700 bwpd and a maximum pressure of 1500 psig are expected.

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

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

E.L. Buttross, Jr.  
District Engineer  
Devon Energy Corporation  
(Nevada)  
20 North Broadway  
Suite 1500  
Oklahoma City, OK 73102  
(405) 552-4509