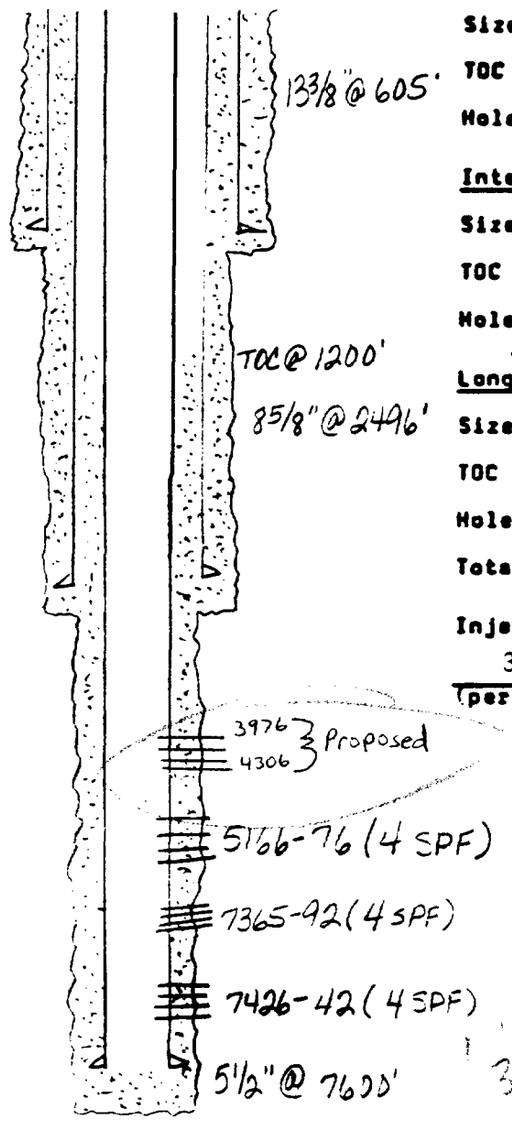
INJECTION WELL DATA SHEET

OPERATOR	LEASE			
Exxon Company, U.S.A.	Yates Federal "C"			
WELL NO.	**FOOTAGE LOCATION**	**SECTION**	**TOWNSHIP**	**RANGE**
22	5940' FSL & 660' FWL	4	21 S	27 E

Schematic



Tubular Data

Surface Casing

Size 13-3/8" Cemented with 975 sx.

TOC Surface feet determined by Circ.

Hole size 17-1/2"

Intermediate Casing

Size 8-5/8" Cemented with 750 sx.

TOC Surface feet determined by Circ.

Hole size 11"

Long string

Size 5-1/2" Cemented with 3120 sx.

TOC 1200 feet determined by Temp. Survey

Hole size 7-7/8"

Total depth 7600

Injection interval (Perforated)

3976 feet to 4306 feet

(perforated or open-hole, indicate which)

EXHIBIT NO. 4 (A-B-C-D)

DOCKET NO. 8705

HEARING DATE 9-25-85

Tubing size 2-7/8" lined with cement (material) set in a

Baker lokset (brand and model) packer at ± 3850' feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation Delaware

2. Name of Field or Pool (if applicable) Avalon Delaware

3. Is this a new well drilled for injection? [ ] Yes [X] No

If no, for what purpose was the well originally drilled? The well was originally drilled to produce oil from the Bone Spring formation.

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 5166-5176, 7355-7392, 7426-7442. (Will plug back if application is approved.)

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. Overlying - Ceder Hills Yates (±525')

Underlying - Avalon Bone Springs (±5000')

APPLICATION FOR AUTHORIZATION TO INJECT
EXXON YATES FEDERAL "C" #22

Injection Well Data

A. 1. Exxon Yates Federal "C" No. 22, located 5940' FSL and 660' FWL of Section 4, T-21S, R-27E, Eddy County, New Mexico.

2. 13-3/8" casing has been set in a 17-1/2" hole @ 605' and cemented to surface using 975 sx. 8-5/8" casing has been set in an 11" hole at 2496' and cemented to surface using 750 sx. Fifty sx. were circulated. 5-1/2" production casing has been set in a 7-7/8" hole at 7600' and cemented to 1200', determined by temperature survey, with 3120 sx.

3. Approximately 3900' of 2-7/8", J-55, EUE, 8-rd, cement-lined tubing will be used for the injection string.

4. Tubing will be set in a Baker Lok-set packer at ±3900'.

B. 1. The injection formation will be the Delaware. The Pool name in this area is Avalon (Delaware).

2. The injection interval will be from 3976'-4306'. Injection will be through perforated 5-1/2" casing.

3. The proposed SWD well was originally drilled to produce oil from the Bone Springs formation. It is currently shut-in.

4. Two other zones have been perforated and stimulated in this well. The interval of 7365'-7442' has been perforated with 172 shots, and the interval 5166'-5176' has been perforated with 40 shots. Upon approval of this application, we propose to set a CIBP at 5096' and cap it with 35' of cement.

5. The Yates formation of the Cedar Hills (Yates) Pool is the next highest oil zone; the Bone Springs formation of the Avalon (Bone Springs) Pool is the next lowest oil zone.

APPLICATION FOR AUTHORIZATION TO INJECT
EXXON YATES FEDERAL "C" #22

Test data on Exxon Yates Federal "C" #22:

1. Appropriate well logs have been submitted.

2. Results of completion attempts:

8-30-83 to 11-14-83:
Perf 7426-7442 (4 spf), acidize with 2000 gals 7-1/2% HCl, frac with 20,000 gals UF frac fluid, CO_2 and 33,000# 20-40 sand. 9-12-83: 24 HPT, rec'd 18 BO + 8 BW.
Perf 7365-7392 (4 spf), frac with 40,000 gals YFCO_2 frac fluid and 58,000# 20-40 sand. Potential test (24 hours) 12 BO + 2 BW + 56 MCF gas.

2-12-85 to 2-28-85:
Perf 5166-5176 (4 spf), acidize with 1000 gals 15% HCl, frac with 8500 gals XL4, 21,000# 20-40 sand, 40 tons CO_2. 24 hour potential test - 10 BO + 25 BW + 44 MCF gas.

APPLICATION FOR AUTHORIZATION TO INJECT
EXXON YATES FEDERAL "C" #22 SWD

Proposed stimulation program on Exxon Yates Federal "C" #22 SWD.

Perforations 3976'-4306'

1. Frac 4218-4306 and 3976-4136 with 75,000 gals. gelled KCL water and 78,000# 20-40 sand in 2 stages using diverter.

2. Run temperature survey.

3. Swab/flow back load.

4. Clean wellbore and prepare to inject.