STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

7-5-90

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC
DHC
NSL
NSP
SWD
WFX X
PMX

Gentlemen:

I have examined the application for the:

Plains Petroleum Co. Jack Lower Sh Unit
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK for INJ WE HAD DID NOT GET INF. ON P&A WELLS

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed

Sec. 19 #15-O 19-8-36
Sec. 25 # 8-H 25-7-35
Sec. 25 #15-O 25-7-36
Sec. 29 #11-K 29-7-36
Sec. 30 # 3-C 30-7-36
Sec. 30 #7-D 30-7-36
Sec 30 #11-K 30-7-36
~~Sec~~ Sec 31 #11-K 31-7-36 WFX-571
Sec. 35 #7-D 35-7-35
Sec. 35 #9-I 35-7-35
Sec. 36 #5-E 36-7-35
Sec. 36 #10-J 36-7-35

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: [X] Secondary Recovery [ ] Pressure Maintenance [ ] Disposal [ ] Storage
Application qualifies for administrative approval? [ ] yes [ ] no

II. Operator: Plains Petroleum Operating Company

Address: 415 W. Wall, Suite 2110 Midland, Texas 79701

Contact party: Steve Owen Phone: (915) 683-4434

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.

IV. Is this an expansion of an existing project? [X] yes [ ] no
If yes, give the Division order number authorizing the project R-6677.

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:

300 BPD/per well
Closed
1300-1600

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.

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: Bonnie Husband Title Engineering Tech

Signature: Bonnie Husband Date: July 2, 1990

* 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. Submitted with original project March 25, 1981

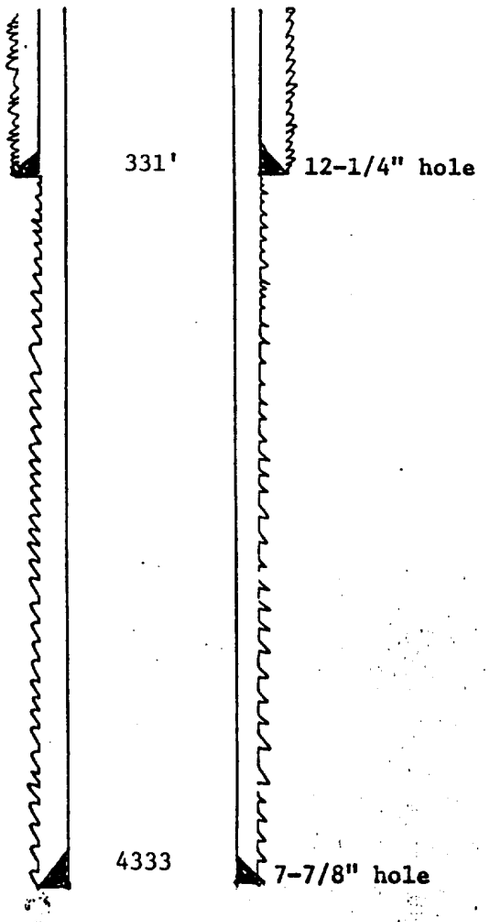
DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

INJECTION WELL DATA SHEET

OPERATOR	LEASE	
Plains Petroleum Operating Company	Todd Lower San Andres Unit Sec. 31	

WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE
11 - K	2120' FSL & 2023' FWL,	Sec. 31,	T7S,	R36E

Schematic



Tabular Data

Surface Casing

Size 8-5/8" " Cemented with 225 sx.

TOC _____ feet determined by _____

Hole size 12-1/4"

Intermediate Casing

Size _____ " Cemented with _____ sx.

TOC _____ feet determined by _____

Hole size _____

Long string

Size 5-1/2" " Cemented with 250 sx.

TOC _____ feet determined by _____

Hole size 7-7/8"

Total depth 4335 PBTD 4333

Injection interval

4282 feet to 4317 feet

(perforated or open-hole, indicate which)

Tubing size 2-3/8" lined with plastic coated (material) set in a

Arlington Elder Lockset (brand and model) packer at 4202 feet

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation San Andres

2. Name of Field or Pool (if applicable) Lower San Andres Associated

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

   If no, for what purpose was the well originally drilled? producing oil well

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) _____

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. _____

   P1 45'