Received Aug. 20, 1976
(see back of map)

WFX - 440
No Waiting

Allied Chemical

Union Texas Petroleum Division
1300 Wilco Building
Midland, Texas 79701

August 16, 1976

Oil Conservation Commission
State of New Mexico
P. O. Box 1980
Hobbs, New Mexico 88240

Case #4140; Order No R-3770

Re: Conversion of Wells to Water Injection
Milnesand (San Andres) Unit
Roosevelt County, New Mexico

Gentlemen:

On July 29, 1976, we submitted Sundry Notices and a Revision of Initial Plan of Operation in accordance with Section 11 of the Milnesand (San Andres) Unit Agreement, to convert the following wells to water injection.

1. Milnesand (San Andres) Unit #31, Unit "L", Sec. 18, T-8-S, R-35-E

2. Milnesand (San Andres) Unit #33, Unit "J", Sec. 18, T-8-S, R-35-E

3. Milnesand (San Andres) Unit #35, Unit "N", Sec. 19, T-8-S, R-35-E

4. Milnesand (San Andres) Unit #182, Unit "D", Sec. 18, T-8-S, R-35-E

5. Milnesand (San Andres) Unit #192, Unit "J", Sec. 13, T-8-S, R-35-E

Mr. Joe D. Ramey approved only the Revised Plan of Operation of the Milnesand Unit Area (August 5, 1976) and not the conversion of the subject wells. Mr. Ramey stated approval for conversion to water injection would be given only upon proper application being filed in accordance with the provisions of Rule 701 B of the Commission Rules and Regulations. Therefore, we are submitting the following attachments in compliance with Rule 701 B.

1. A plat of the Milnesand (San Andres) Unit - showing the locations of the proposed injection wells.

2. Logs of the proposed injection wells.

3. Diagramatic sketches of the proposed injection wells.

Water will be injected into the unitized formation of the Milnesand (San Andres) Unit at an approximate depth of 4530' to 4650'. The injection pressure will be approximately 1200 psi. The injection Rates will be as follows:

Well No.	Injection, BPD
31	363
33	393
35	556
182	264
192	303

The water injected will be from our existing facilities. This water is obtained from Mobil's Crossroads Field.

If this information meets with your approval under the provisions of Rule 701 B, we respectfully request permission to convert the subject wells to water injection.

If any additional information is needed, please advise.

Very truly yours,

UNION TEXAS PETROLEUM CORPORATION

Stanley A. Post

Stanley A. Post
Gas Measurement Analyst

SAP:hb
Attachments

Allied Chemical

Union Texas Petroleum Division
1300 Wilco Building
Midland, Texas 79701

July 29, 1976

The Oil & Gas Supervisor
United States Geological Survey
P. O. Box 1157
Hobbs, New Mexico 88240

Oil Conservation Commission
State of New Mexico
P. O. Box 1980
Hobbs, New Mexico 88240

Re: Revision of Initial Plan of Operation
Milnesand (San Andres) Unit
Roosevelt County, New Mexico

Gentlemen:

In accordance with Section 11 of the Milnesand (San Andres) Unit Agreement, this Revision of Initial Plan of Operation is respectfully submitted.

The Milnesand (San Andres) Unit flood which is still in the primary phase has not performed as predicted with the injection in the San Anres formation in an initial inverted nine spot pattern. Therefore, the working interest owners have approved a pilot 5-spot injection pattern program.

This pil t program consists of converting the following five wells to injection which, with four existing wells in the pilot area, will create four 5-spot patterns:

1. Milnesand (San Andres) Unit #31, Unit L, Sec. 18, T-8-S, R-35-E

2. Milnesand (San Andres) Unit #33, Unit J, Sec. 18, T-8-S, R-35-E

3. Milnesand (San Andres) Unit #35, Unit N, Sec. 18, T-8-S, R-35-E

4. Milnesand (San Andres) Unit #182, Unit D, Sec. 18, T-8-S, R-35-E

5. Milnesand (San Andres) Unit #192, Unit J, Sec. 13, T-8-S, R-34-E

Injection into the San Andres formation will be through plastic coated tubing in each injection well and will occur below a packer. Inhibited fluid will be put in the annulus above the packer.

Attached is a plat of the present inverted nine spot pattern and a plat of the proposed 5-spot pattern.

All work will be conducted in a prudent manner utilizing the best techniques and equipment deemed by the working interest owners to be most effective.

Respectfully submitted,

Union Texas Petroleum,
A Division of Allied Chemical
Corporation

Date:_____

By:_____
Stanley A. Post,
Gas Measurement Analyst

APPROVED IN COUNTERPART:

_____
Oil & Gas Supervisor
United States Geological Survey

Date_____

_____
New Mexico
Oil Conservation Commission *

Date August 5, 1976

*

This approval is only for the Revised Plan of Operation of the Milnesand Unit Area, and not for the conversion of the subject wells. Approval for conversion to water injection will be given only upon proper application being filed in accordance with the provisions of Rule 701 B of the Commission Rules and Regulations.

I - SECONDARY RECOVERY, PRESSURE MAINTENANCE, AND SALT WATER DISPOSAL

RULE 701. INJECTION OF FLUIDS INTO RESERVOIRS

A. Permit for Injection Required

The injection of gas, liquefied petroleum gas, air, water, or any other medium into any reservoir for the purpose of maintaining reservoir pressure or for the purpose of secondary recovery or the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Commission after notice and hearing, unless otherwise provided herein.

B. Method of Making Application

Application for original authority for the injection of gas, liquefied petroleum gas, air, water, or any other medium into any formation for any reason, including salt water disposal, or for the expansion of any such injection project by the completion or conversion of additional well(s) shall include the following:

1. A plat showing the location of the proposed injection well(s) and the location of all other wells within a radius of two miles from said proposed injection well(s) and the formation from which said wells are producing or have produced. The plat shall also indicate the lessees, if any there be, within said two-mile radius.

2. The log of the proposed injection well(s) if same is available.

3. A diagrammatic sketch of the proposed injection well(s) showing all casing strings, including diameters and setting depths, quantities used and tops of cement, perforated or open hole intervals, tubing strings, including diameters and setting depths, and the type and location of packers, if any.

4. Other pertinent information including the name and depth of the zone or formation into which injection will be made, the kind of fluid to be injected, the anticipated volumes to be injected, and the source of said injection fluid.

C. Salt Water Disposal Wells

The Secretary-Director of the Oil Conservation Commission shall have authority to grant an exception to the requirements of Rule 701-A for water disposal wells only, without notice and hearing, when the waters to be disposed of are mineralized to such a degree as to be unfit for domestic, stock, irrigation, or other general use, and when said waters are to be disposed of into a formation older than Triassic (Lea County only) which is non-productive of oil or gas within a radius of two miles from the proposed injection well, providing that any water occurring naturally within said disposal formation is mineralized to such a degree as to be unfit for domestic, stock, irrigation, and/or other general use.

To obtain such administrative approval, operator shall submit in TRIPLICATE Commission Form C-108, Application to Dispose of Salt Water by Injection Into a Porous Formation, said application to be filed in accordance with Rule 701-B above. Copies of the application shall also be sent to all offset operators and to the surface owner of the land upon which the well is located.

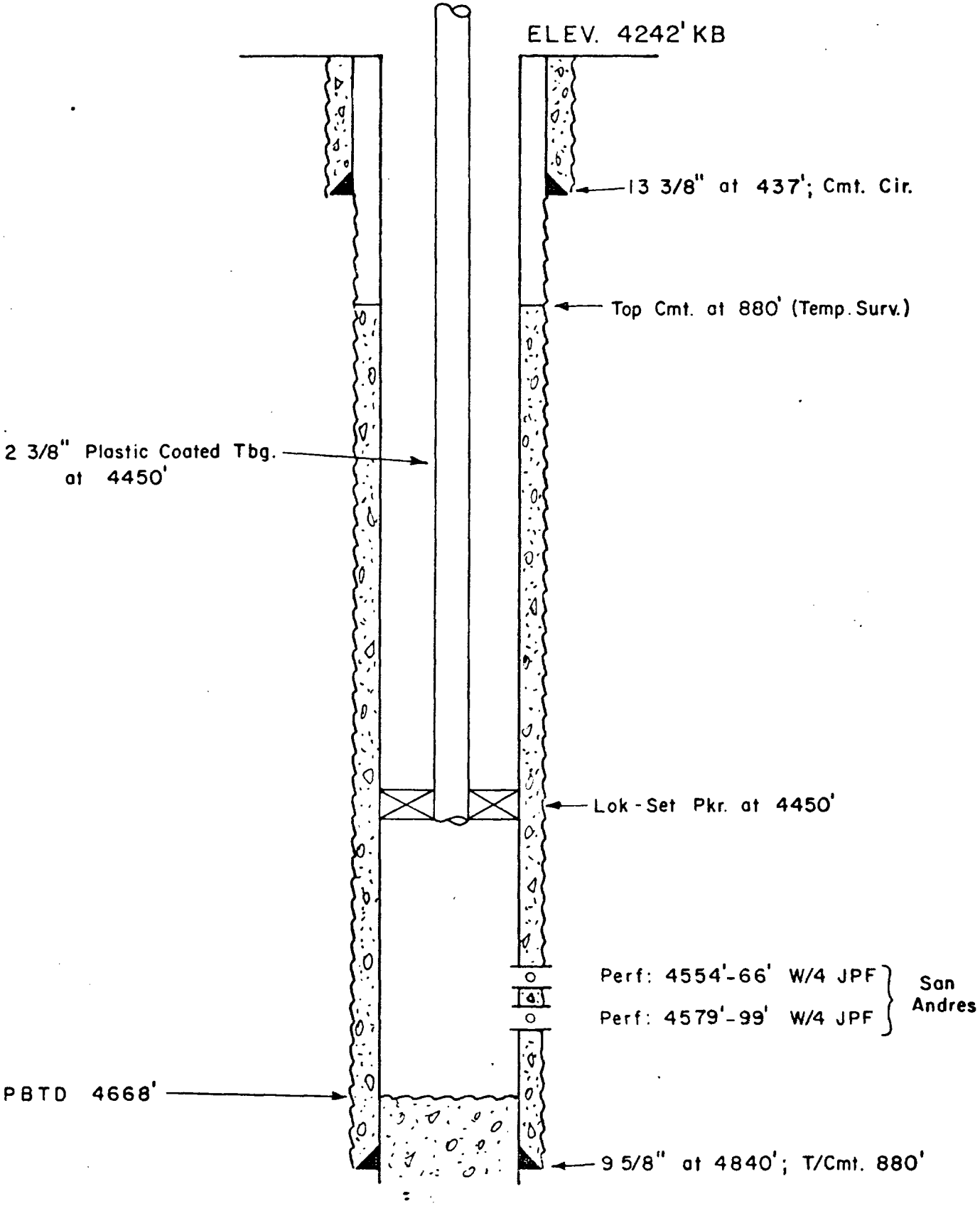
If no objection is received within 15 days from the date of receipt of the application, and the Secretary-Director is satisfied that all of the above requirements have been complied with, and that the well is to be cased and cemented in such a manner that there will be no danger to oil, gas, or fresh water reservoirs, an administrative order approving the disposal may be issued. In the event that the application is not granted administratively, it shall be set for public hearing, if the operator so requests.

The Commission may dispense with the 15-day waiting period if waivers of objection are received from all offset operators and the surface owner.

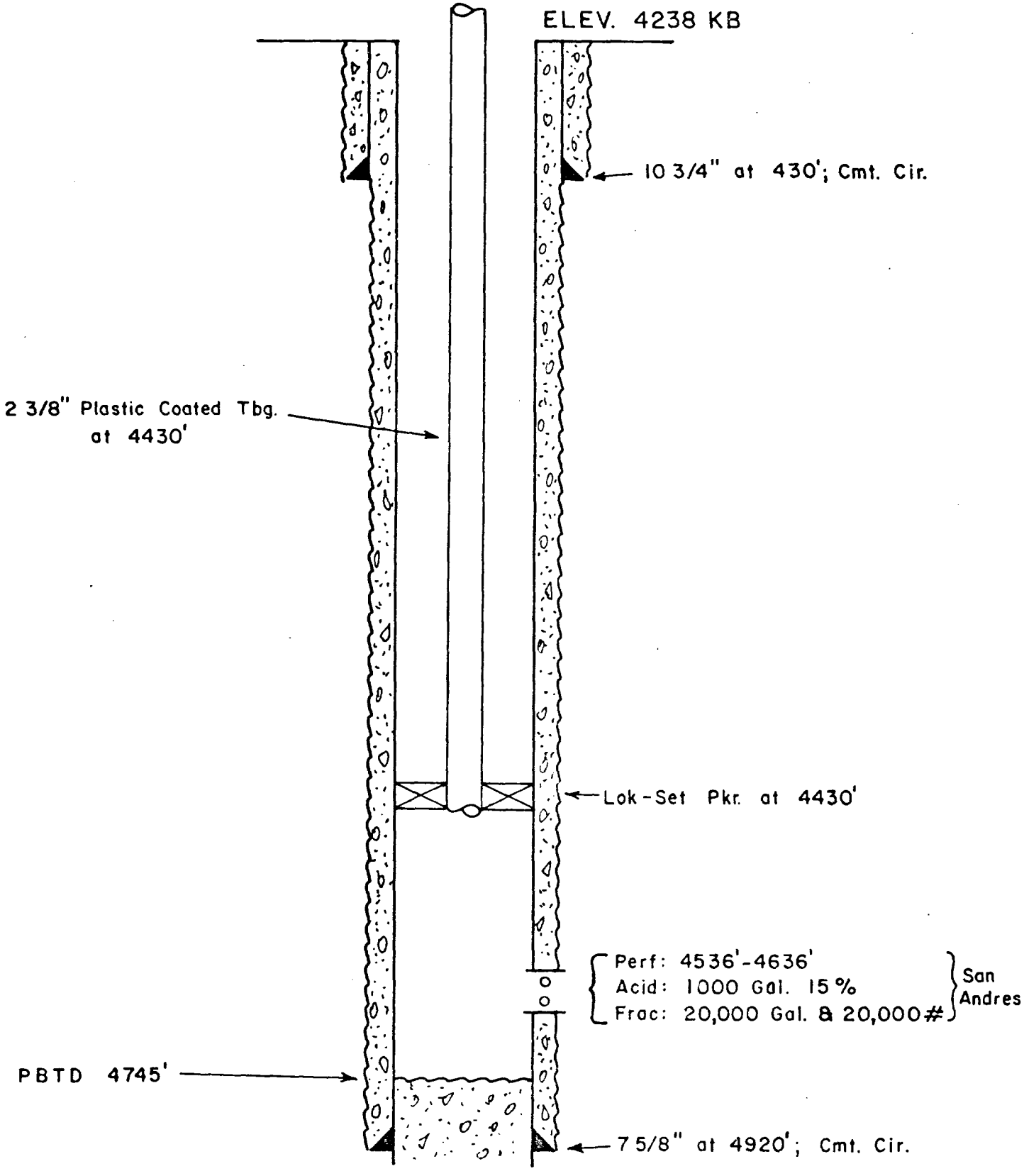
D. Pressure Maintenance Projects

1. Pressure maintenance projects are defined as those projects in which fluids are injected into the producing horizon in an effort to build up and/or maintain the reservoir pressure in an area which has not reached the advanced or "stripper" state of depletion.

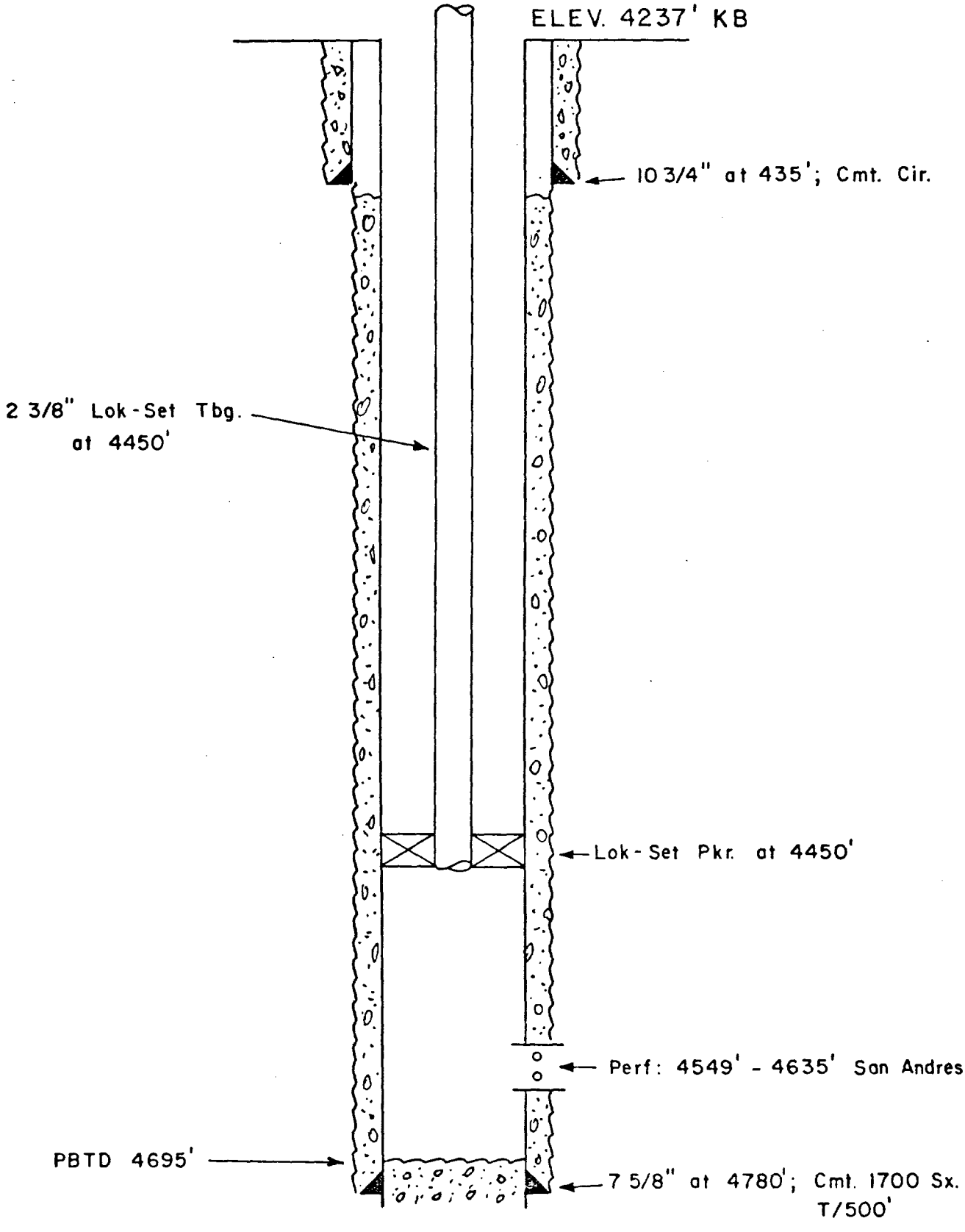
UNION TEXAS PETROLEUM
MILNESAND (S.A.) UNIT NO. 31
UNIT L, SEC. 18, T-8S, R-35E



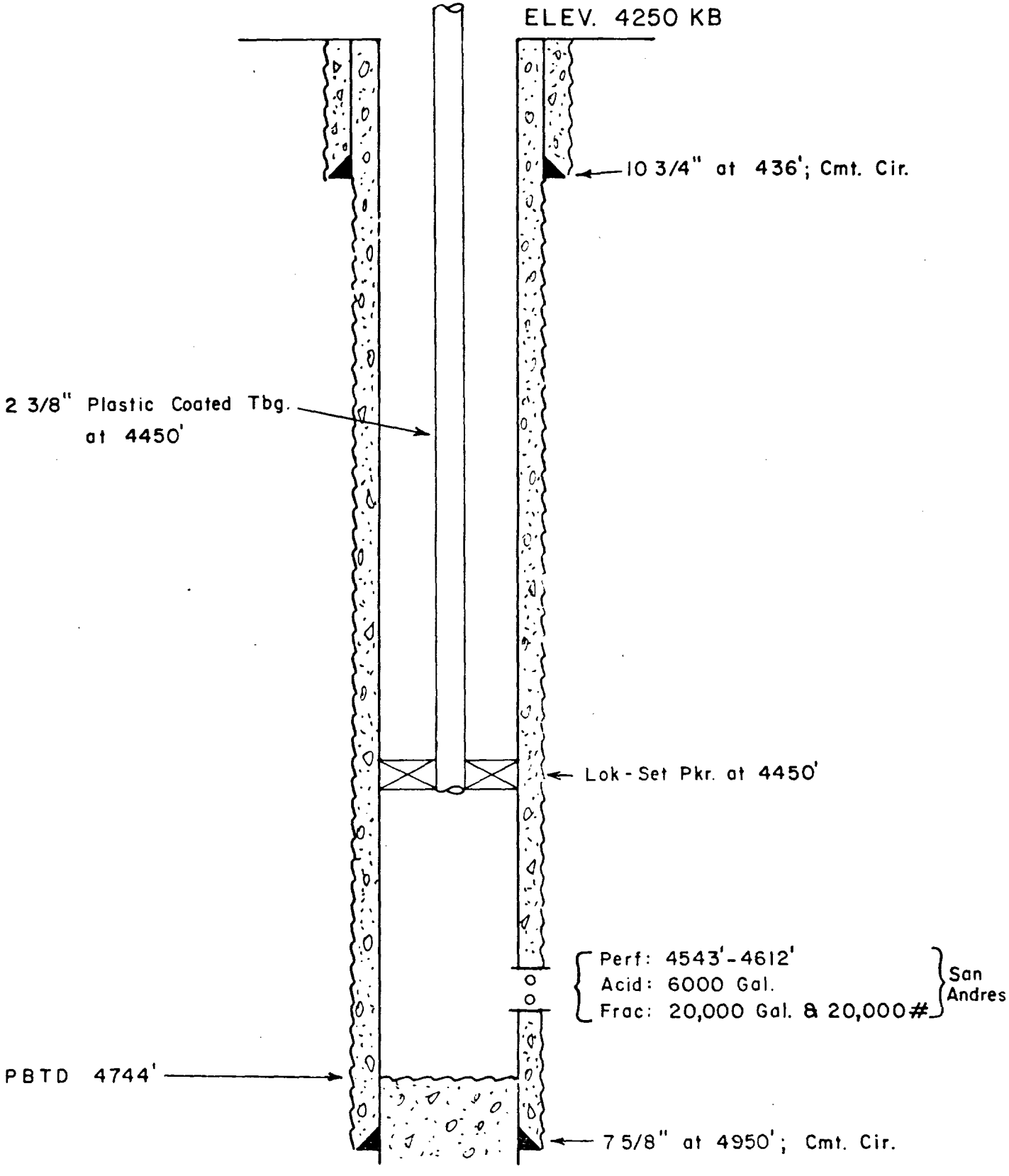
UNION TEXAS PETROLEUM
MILNESAND (S.A.) UNIT NO. 33
UNIT J, SEC. 18, T-8S, R-35E



UNION TEXAS PETROLEUM
MILNESAND (S.A.) UNIT NO. 35
UNIT D, SEC. 19, T-8S, R-35E



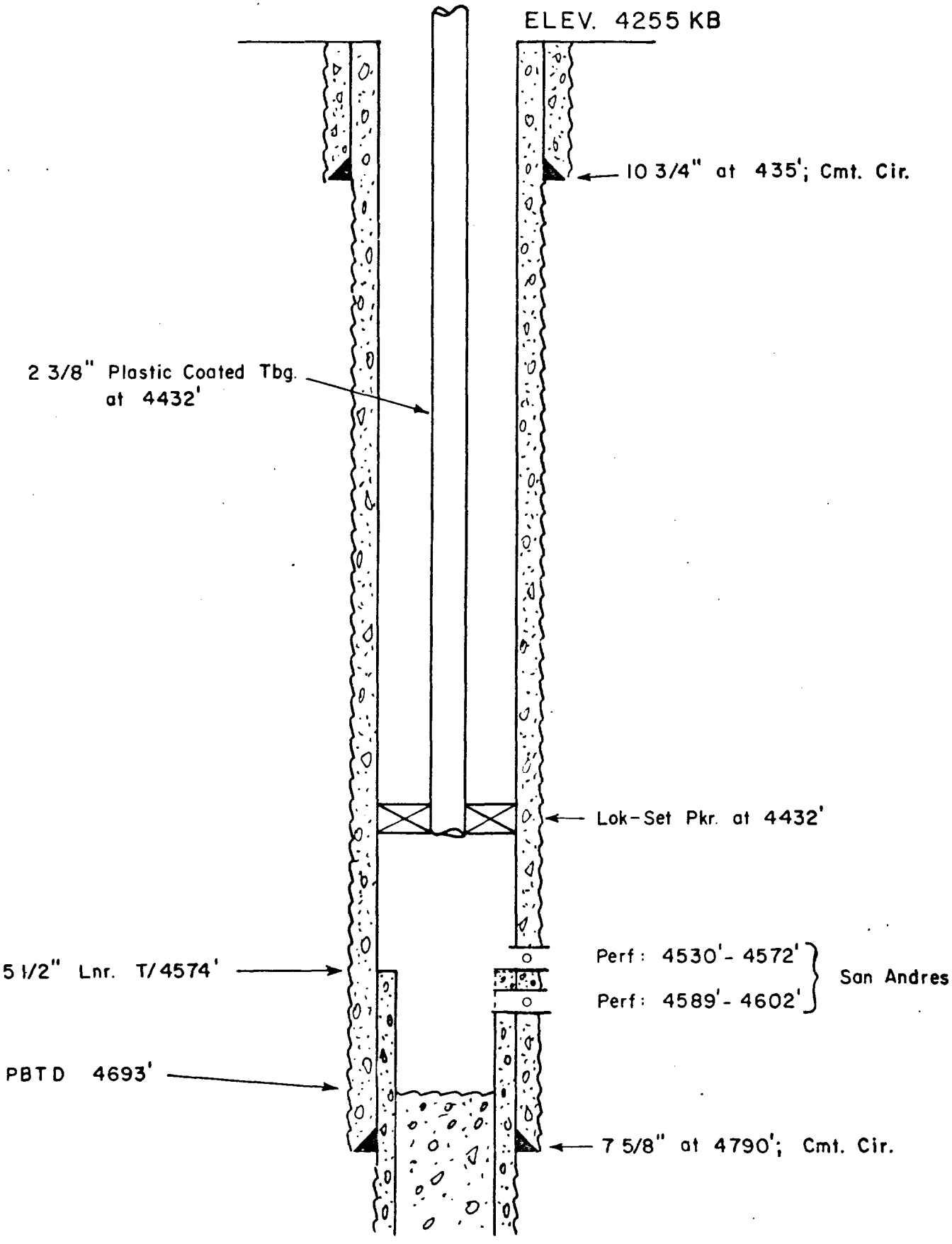
UNION TEXAS PETROLEUM
MILNESAND (S.A.) UNIT NO. 182
UNIT D, SEC. 18, T-8S, R-35E



UNION TEXAS PETROLEUM

MILNESAND (S.A.) UNIT NO. 192

UNIT J, SEC. 13, T-8S, R-34E



LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE