THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Box 474
Midland, Texas
February 4, 1963

1963 FEB 8 AM 8 18

W 74-133

Mr. A. L. Porter, Jr.
Secretary & Director
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

In reply to your letter of February 1, 1963, we are attaching a copy of the letter in which we have furnished the State Engineer information regarding our application for expansion of the project area of the Jalmat Unit.

We are also attaching a tabulation of well completion data, a tabulation of injection data and schematics of each of the proposed injection wells.

We hope that this information will be helpful in processing our application.

We appreciate your help in processing this application and will appreciate your notifying us of your decision as soon as possible.

Yours very truly,

THE BRITISH-AMERICAN OIL PRODUCING CO.

Cecil E Brandon

Cecil E. Brandon
District Superintendent

CEB:WRG:adh

Attach...

cc: Mr. Daniel S. Nutter
Chief Engineer
New Mexico Oil Conservation Commission
Box 871
Santa Fe, New Mexico

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Box 474
Midland, Texas
February 4, 1963

Mr. Frank E. Irby
Chief Water Rights Division
State Capitol
Santa Fe, New Mexico

Dear Mr. Irby:

Attached is a copy of our application to the Conservation Commission for expansion of the project area in the Jalmat Unit.

We are also attaching a tabulation of well completion data, a tabulation of injection data and schematics of each of the proposed injection wells. As shown by these attachments, injection into each well will be through internally plastic coated 2-1/16" integral joint tubing. This tubing will be equipped with a compression type packer which will be set approximately 20' above the top perforation in each well. The annular space behind the tubing will be filled with fresh water to prevent possible corrosion and also to allow positive proof of any packer leak.

The injection system to be employed is a completely closed system in which Capitan Reef water will be injected into the Yates formation in the proposed wells. An injection rate of approximately 250 to 300 BWPD per well is anticipated with injection pressures between 500 and 700 psi. It is our intention that injection into these wells in this manner will provide adequate protection to all other strata as is presently being done in the sixteen original injection wells.

Should you desire additional information in order to process this application, please notify us immediately.

We are enclosing waivers for your signature, and will appreciate your signing and forwarding these to the Conservation Commission upon your approval of this application.

Yours very truly,

THE BRITISH-AMERICAN OIL PRODUCING CO.

ORIGINAL SIGNED
C. E. BRANDON

Cecil E. Brandon
District Superintendent

CEB:WRG:adh

Attach:

cc: Mr. A. L. Porter, Jr.
Conservation Comm., Santa Fe, New Mex.

COPY

COMPLETION AND INJECTION DATA

WELL NO. 3-44

Surface Casing: 8-5/8", 22.7#, Spiral Weld set at 320'. Cement circulated to the surface.

Production Casing: 5½", 14#, set at 4065'. Cemented with 500 sacks portland w/10% gel plus 50 sacks portland w/45 gals. Latex. Casing tested to 3000 psi for 30 min. w/no leaks.

Perforations: 3906-19
3952-56
3960-66
3976-88
All perforation with 4 jets per foot.

Proposed Injection Completion: 2 1/16" integral joint tubing with packer set at 3885'.

WELL NO. 10-31

Surface Casing: 13 3/8", 54.5# set at 220', cement circulated to surface.

Production Casing: 5½", 14# set at 4200', cemented with 250 sacks regular w/4% gel plus 100 sacks neat. Casing tested to 3000 psi for 30 min. with no leaks.

Perforations: 3973-80
3982-92
4012-17
4021-24
4033-40
4044-52
4078-90
4093-4113
All perforations with 4 jets per foot.

Proposed Injection Completion: 2 1/16" integral joint tubing with packer set at 3953'.

WELL NO. 11-13

Surface Casing: 8-5/8", 22.7#, Spiral Weld set at 335'. Cement circulated to surface.

Production Casing: 5½", 14#, set at 4081'. Cemented with 211 sacks regular plus 158 sacks Diacel plus 100 sacks neat w/Latex. Top of cement behind casing found at 1500' by temperature survey. Casing tested to 3000 psi for 30 min. with no leaks.

Perforations: 3888-3900
3940-60
3978-86
3998-4006
All perforations with 4 jets per foot.

Proposed Injection Completion: 2 1/16' integral joint tubing with packer set at 3868'.

INJECTION DATA

Source Water: Capitan Reef water

Type System: Closed system employing positive displacement pumps.

Formation: Injection will be into the Yates formation, at approximately 3900'.

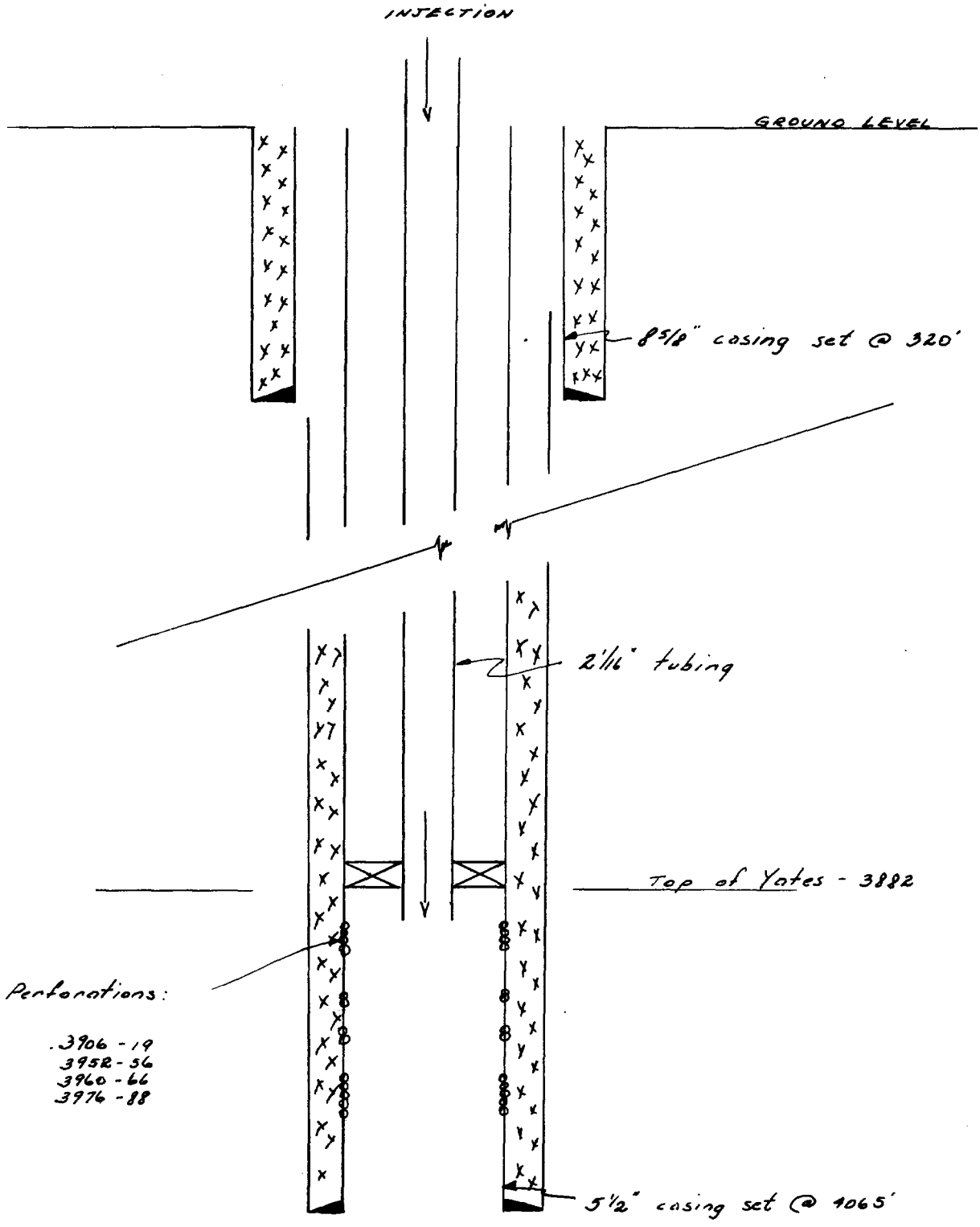
Injection Volume: 250 - 300 barrels of water per day is anticipated to be injected into each well.

Injection Pressure: 500 - 700 psi at injection wellhead.

Injection Well Completion: Injection will be down tubing, below a packer. The packer will be set approximately 20' above the top of the perforations in each well.

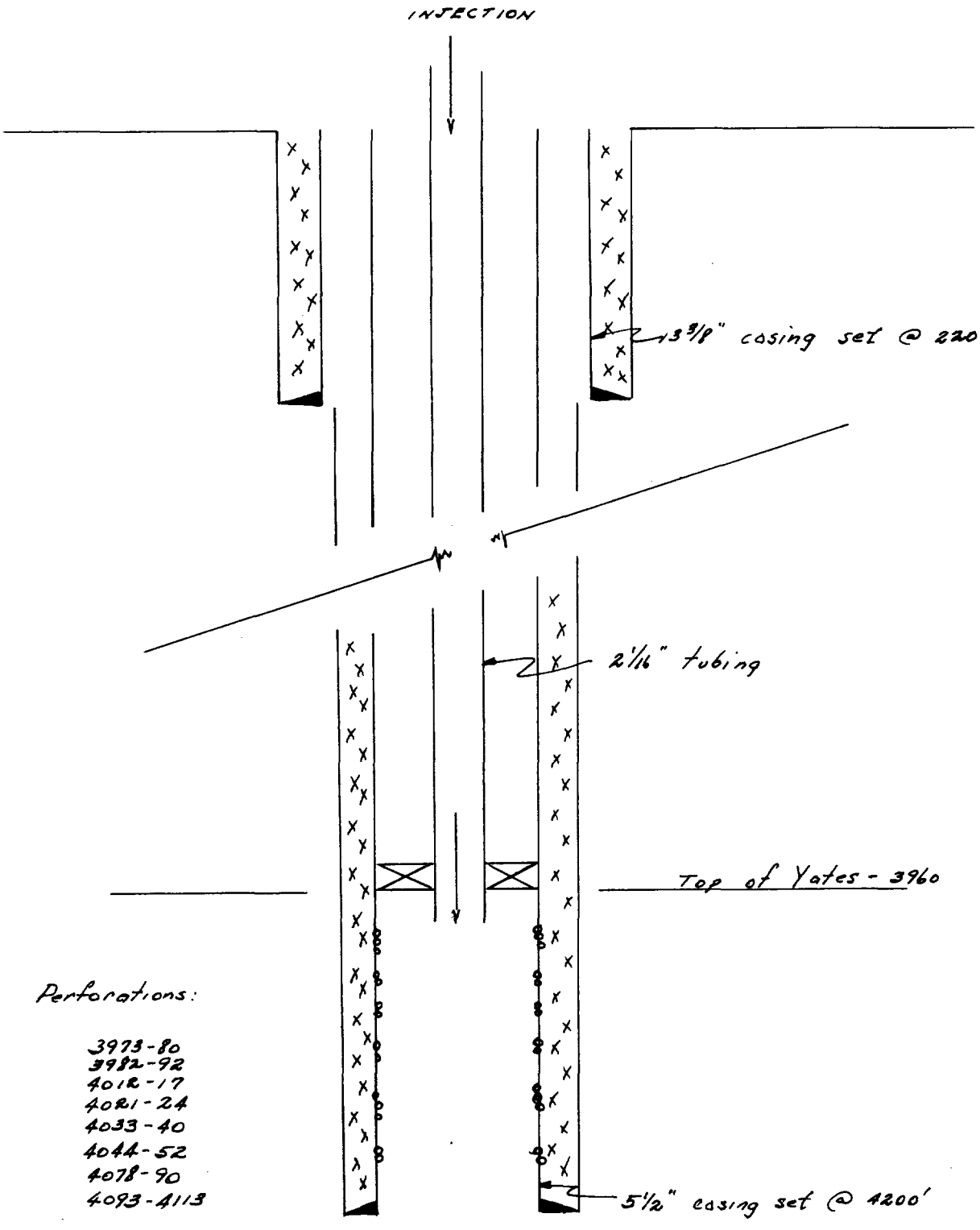
PROPOSED INJECTION WELL

No. 3-44



PROPOSED INJECTION WELL

No. 10-31



Perforations:

3973-80
3982-92
4012-17
4021-24
4033-40
4044-52
4078-90
4093-4113

PROPOSED INJECTION WELL

NO. 11-13