



SKELLY OIL COMPANY

July 2, 1975

DOMESTIC EXPL. & PROD. DEPARTMENT

MIDLAND E & P DISTRICT

F. L. FRANZ, DISTRICT PRODUCTION MANAGER

M. J. EKMAN, DISTRICT ENGINEER

C. F. BOSECKER, LEAD RESERVOIR ENGINEER

F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:

P. O. BOX 1351

MIDLAND, TEXAS 79701

File: Skelly's Myers Langlie-Mattix Waterflood Unit
Lease No. 07938, Langlie-Mattix Pool
Lea County, New Mexico

Re: Application for administrative
approval to expand waterflood
project by converting five
additional wells (MLMU Well Nos.
61, 67, 101, 173, and 248).

New Mexico Oil Conservation Commission (3)
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Secretary - Director

Gentlemen:

Skelly Oil Company respectfully requests an administrative approval to expand the Myers Langlie-Mattix Waterflood Unit by conversion of five additional wells to water injection service. This waterflood project was authorized by Order No. R-4680 dated November 20, 1973.

The Myers Langlie-Mattix Unit became effective February 1, 1974. Presently the well conversion work is underway. Water injection into the wells is anticipated within approximately 45 days.

Skelly Oil Company requests an administrative approval to convert the following five producing wells to water injection service:

Well No. 61-900' FNL & 1980' FWL, Section 31, T23S, R37E
Well No. 67-1980' FNL & 660' FWL, Section 36, T23S, R36E
Well No. 101-2310' FSL & 1650' FWL, Section 36, T23S, R36E
Well No. 173-1980' FSL & 1916' FWL, Section 6, T24S, R37E
Well No. 248-660' FSL & 660' FWL, Section 8, T24S, R37E

Following exhibits are included with this application.

1. A plat showing the locations of the five proposed conversion wells and the location of all other wells within a radius of two miles from the said proposed conversions, and the formation from which said wells are producing or have produced.
2. The logs of the Myers Langlie-Mattix Unit Well Nos. 61, 67, 173, and 248. Log of the Myers Langlie-Mattix Unit Well No. 101 is not available.
3. Diagrammatic sketch of the five wells (Myers Langlie-Mattix Unit Well Nos. 61, 67, 101, 173, and 248) showing pertinent information.

The water injection will be into lower Seven Rivers and Queen formations (3600' depth) of the unitized Langlie-Mattix pay interval to recover secondary recovery oil. The source of water supply will be Skelly's Jal Water System, which provides injection water to several Langlie-Mattix waterflood projects in the area. The water of the Jal Water System comes from the Seven Rivers formation (3900' depth) and the Capitan Reef. The anticipated water injection rate and pressure per well are 350 BWPD and 1800 psig.

The approval of this application will result in the recovery of otherwise unrecoverable oil, thereby preventing the waste of a much needed energy source by providing a more efficient injection pattern.

Offset operators are being notified of this application by copy of this letter. Mailing list is attached.

Yours very truly,

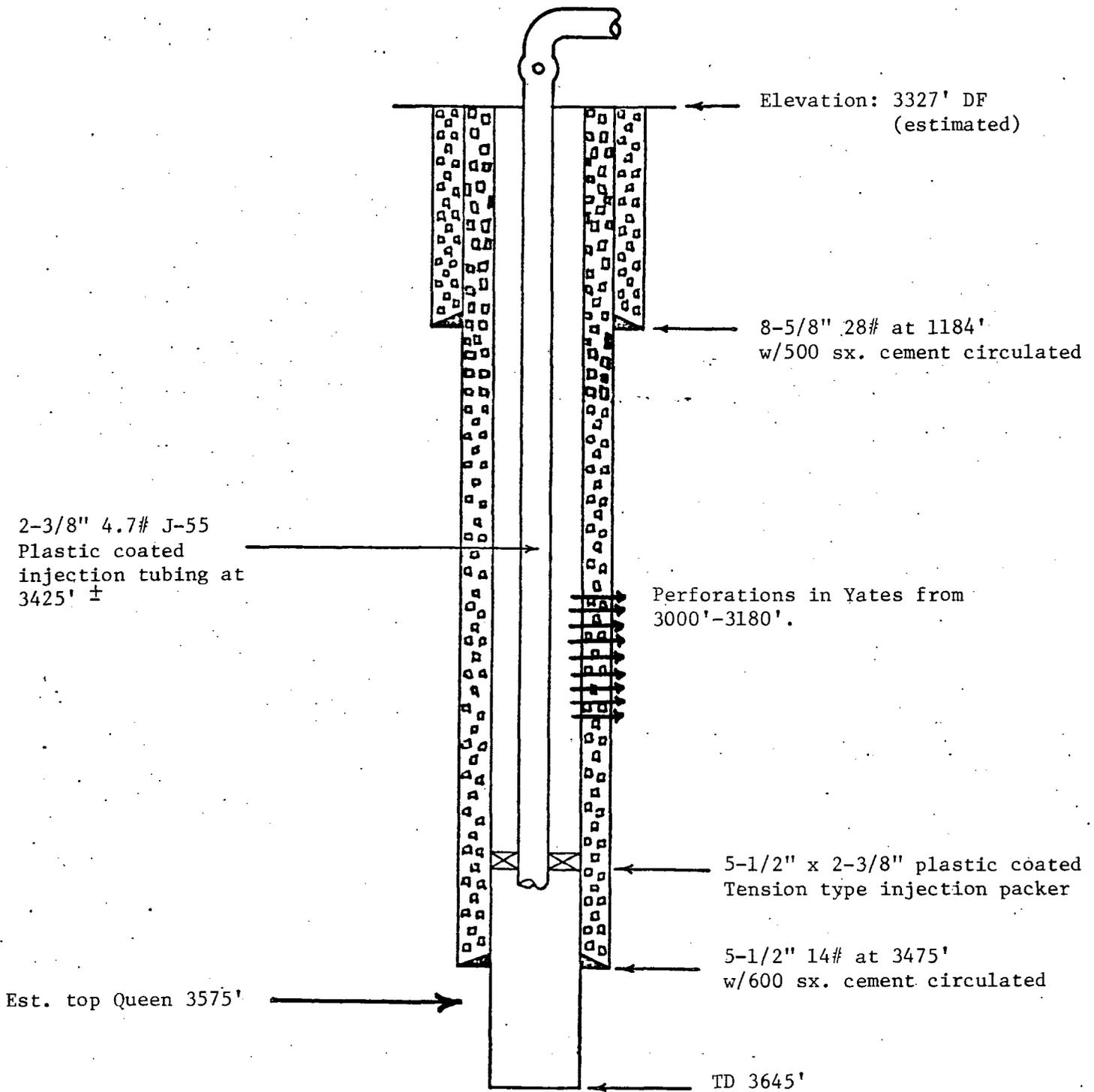

Leland Franz
District Production Manager

RNB/slw
Attachs.

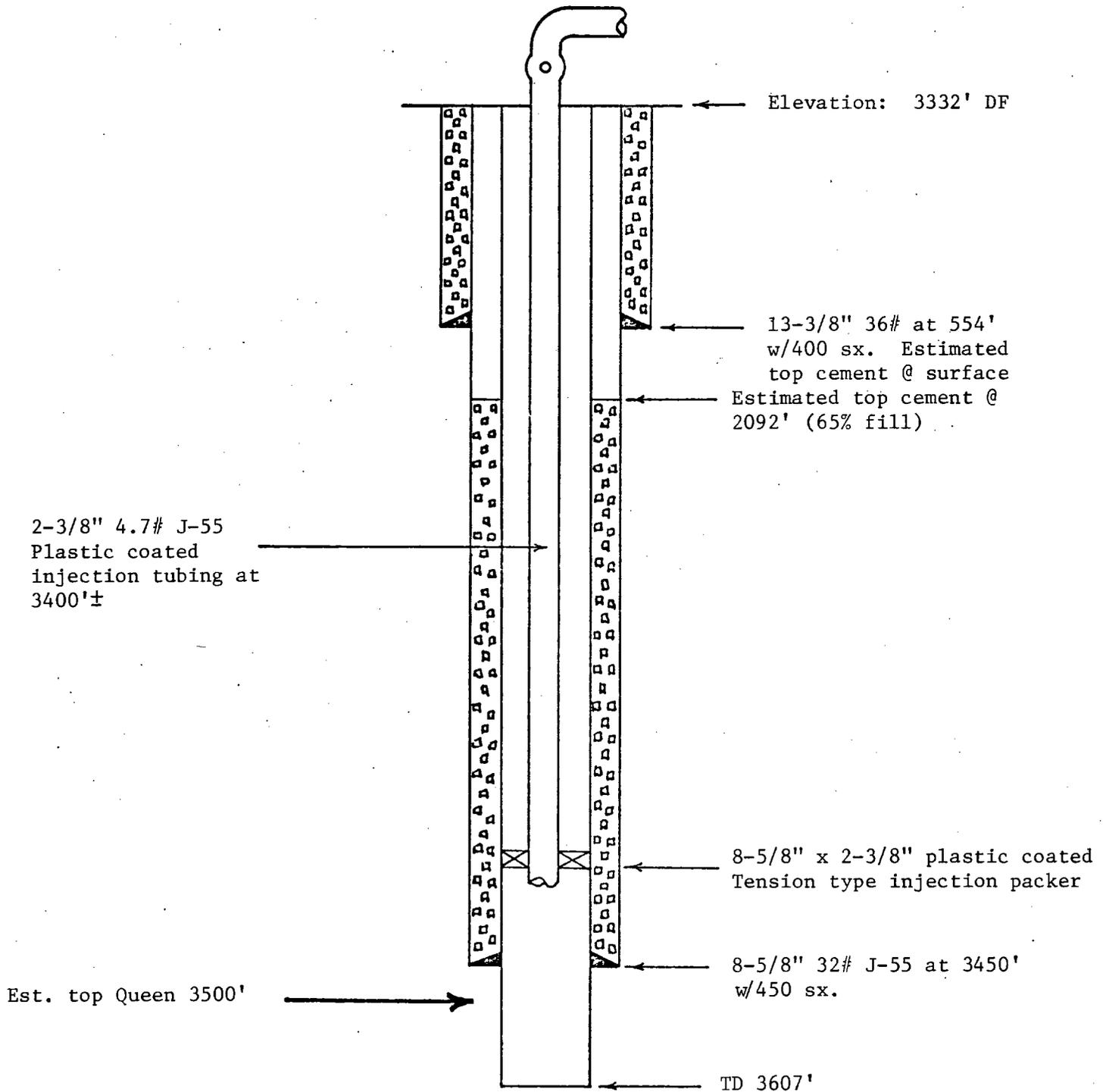
MAILING LIST

1. Cities Service Oil Company
P. O. Box 1919
Midland, Texas 79701
2. Atlantic Richfield Company
P. O. Box 1710
Hobbs, New Mexico 88240
3. Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

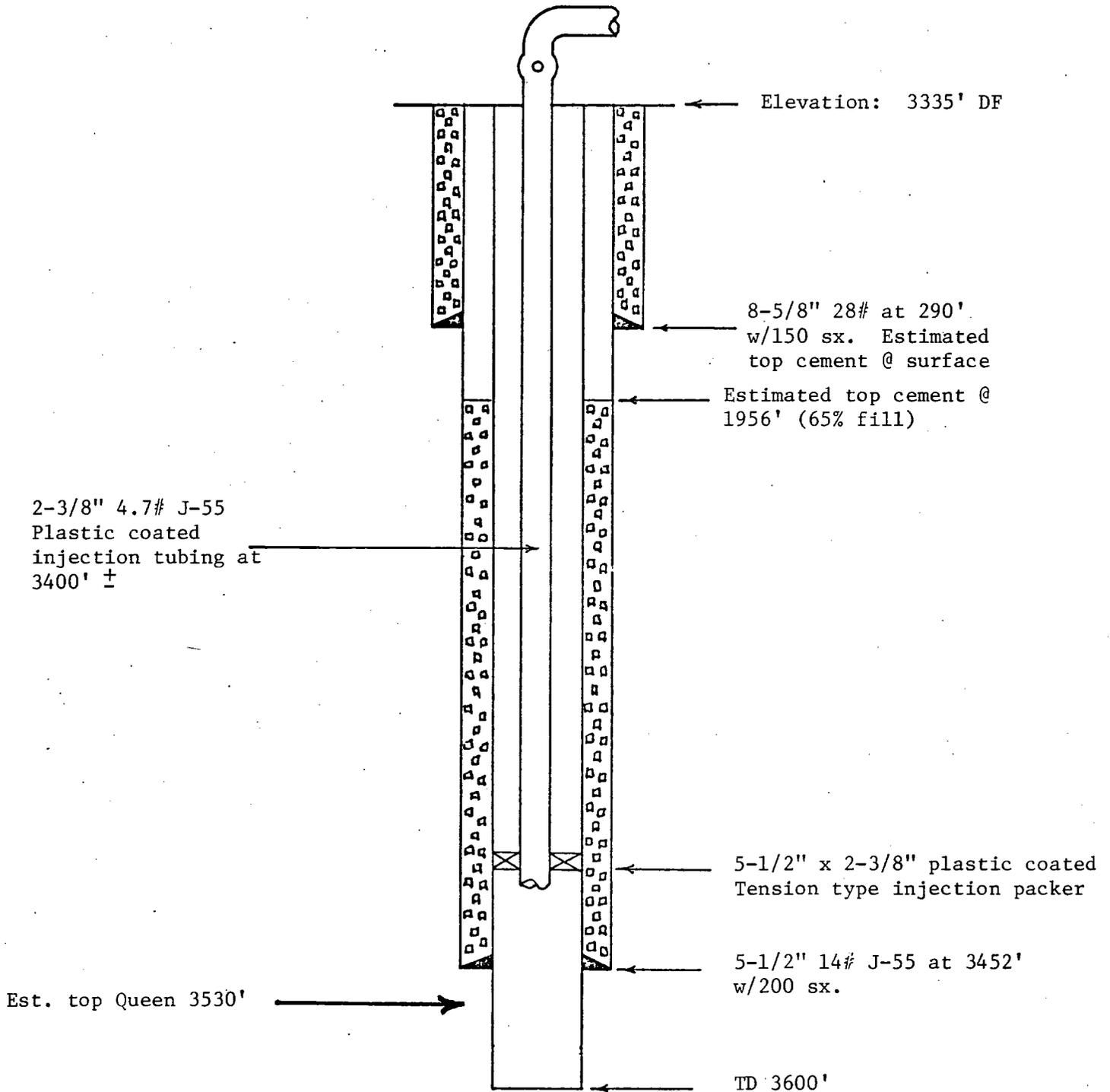
DIAGRAMMATIC SKETCH OF THE PROPOSED INJECTION WELL
SKELLY'S MYERS LANGLIE-MATTIX UNIT NO. 61
UNIT C, SEC. 31, T23S-R37E
LEA COUNTY, NEW MEXICO



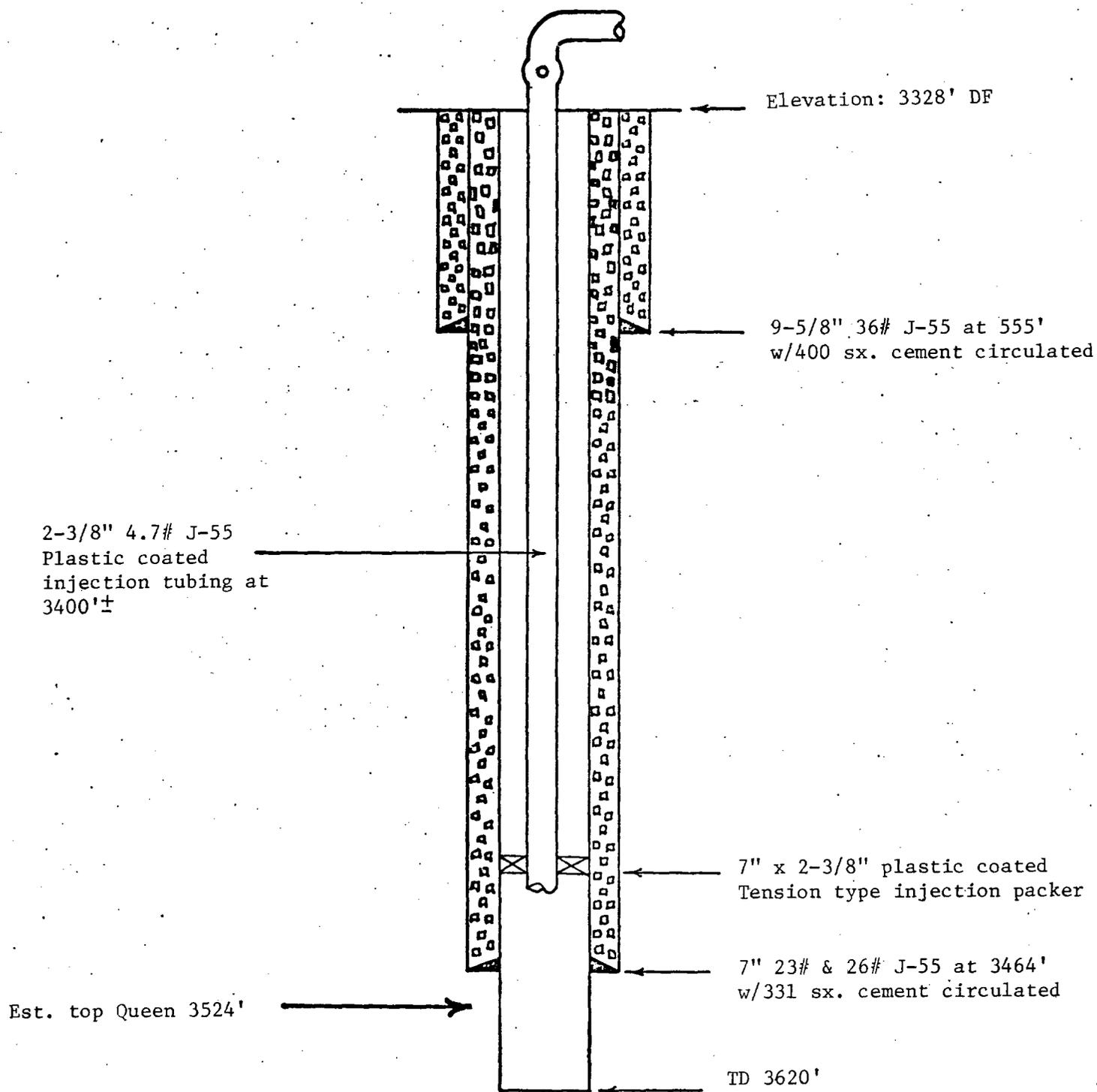
DIAGRAMMATIC SKETCH OF THE PROPOSED INJECTION WELL
SKELLY'S MYERS LANGLIE-MATTIX UNIT NO. 67
UNIT E, SEC. 36, T23S-R36E
LEA COUNTY, NEW MEXICO



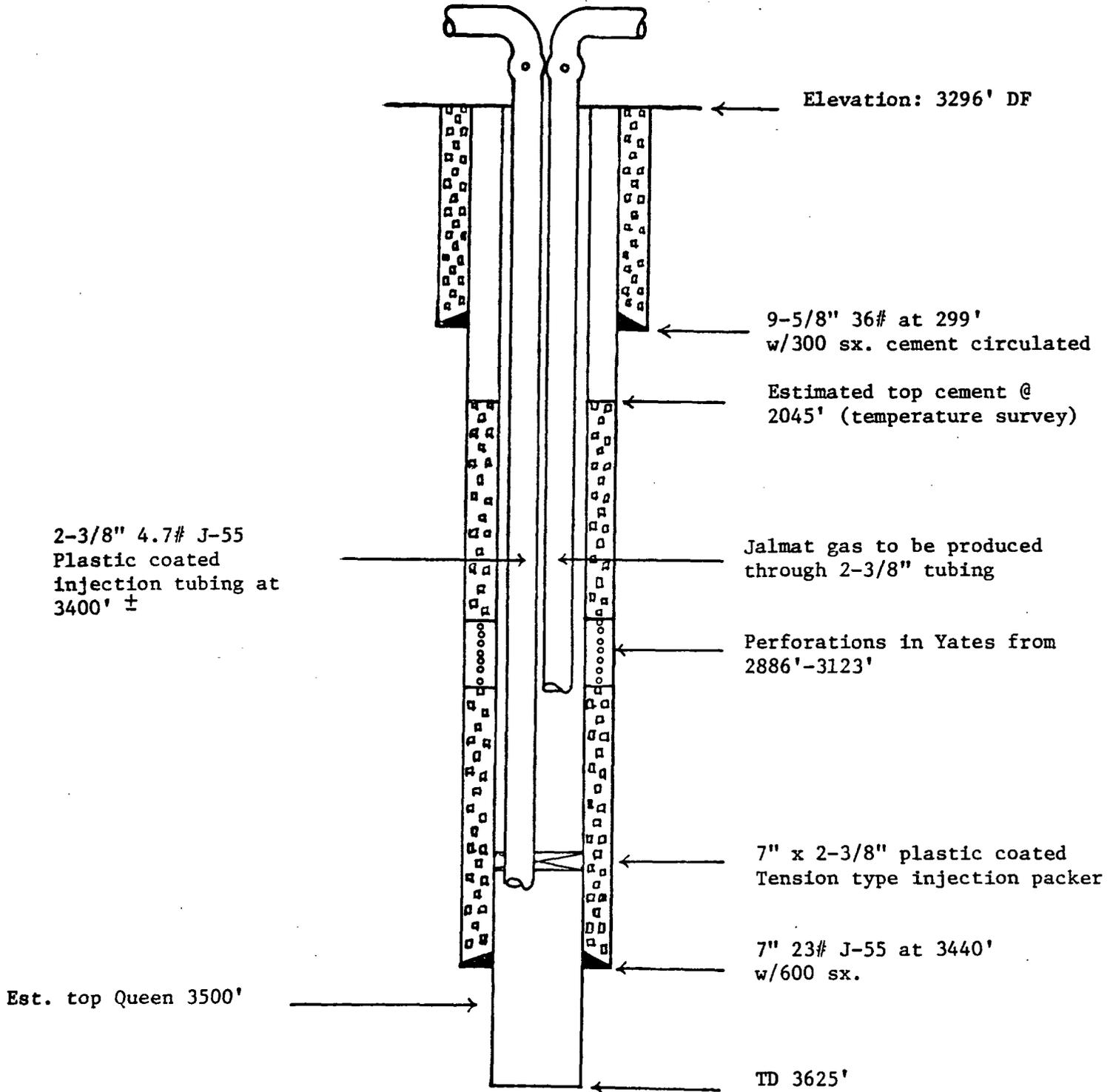
DIAGRAMMATIC SKETCH OF THE PROPOSED INJECTION WELL
SKELLY'S MYERS LANGLIE-MATTIX UNIT NO. 101
UNIT K, SEC. 36, T23S-R36E
LEA COUNTY, NEW MEXICO



DIAGRAMMATIC SKETCH OF THE PROPOSED INJECTION WELL
SKELLY'S MYERS LANGLIE-MATTIX UNIT NO. 173
UNIT 1, SEC. 6, T24S-R37E
LEA COUNTY, NEW MEXICO



DIAGRAMMATIC SKETCH OF THE PROPOSED INJECTION WELL
SKELLY'S MYERS LANGLIE-MATTIX UNIT NO. 248
UNIT M, SEC. 8, T24S-R37E
LEA COUNTY, NEW MEXICO



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