

PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 430, Farmington, New Mexico
September 19, 1963

File: N-674-980.310.1

Subject: Application of Pan American
Petroleum Corporation For
Permission to Convert Three
Additional Wells
Southeast Cha Cha Unit
Cha Cha Gallup Pool
San Juan County, New Mexico

Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
P. O. Box 873
Santa Fe, New Mexico

Dear Sir:

Pursuant to the provisions of Rule 11 of NMOCC Order R-2214, dated April 18, 1962, Pan American Petroleum Corporation respectfully makes application for permission to convert Southeast Cha Cha Unit Wells Nos. 14, 21, and 26 from producers to water injection wells. These wells are more specifically located as follows:

Southeast Cha Cha Unit No. 14 - NE/4 NE/4 Section 16, T-28-N, R-13-W
Southeast Cha Cha Unit No. 21 - NW/4 SW/4 Section 16, T-28-N, R-13-W
Southeast Cha Cha Unit No. 26 - SE/4 SE/4 Section 17, T-28-N, R-13-W

Attached is a map of the Southeast Cha Cha Unit Area showing the location of all of the wells within the Unit, the Unit boundary, and the operators of wells adjacent to the Southeast Cha Cha Unit Pressure Maintenance Project area. The map also shows that there are no operators of wells completed in the Gallup formation that are either directly or diagonally offset by any of the three wells proposed for conversion to injection.

Also attached is a diagrammatic sketch of each of the three proposed injection wells showing thereon a description of the casing, tubing, perforated interval and depth. The completion of each of the wells is such that any injection of water into wells will be confined to the Gallup formation.

Initial injection of water in the Southeast Cha Cha Unit has been into Wells Nos. 16, 17 and 22, which wells generally lie along the major axis of the Cha Cha Gallup sand. Injection into these three wells has displayed some evidence of premature water breakthrough into wells lying in a northeast-southwest direction from the injection wells. Accordingly, it

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Mr. A. L. Porter, Jr.

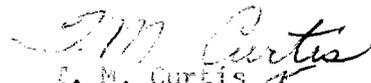
September 10, 1963

N-674-986.510.1

is desired to convert the three additional wells to injection in an effort to improve performance of the project.

Yours very truly,

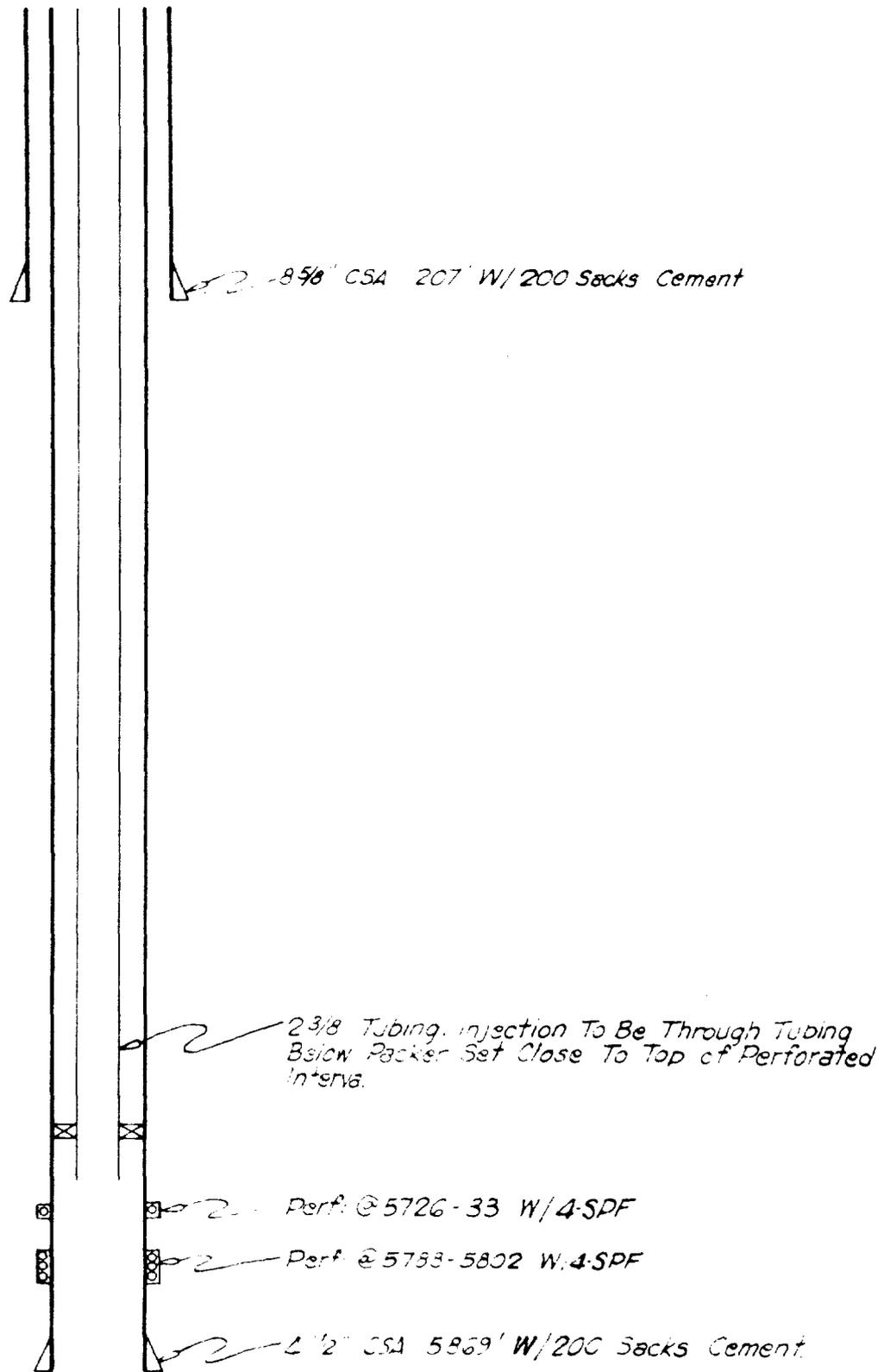
PAN AMERICAN PETROLEUM CORPORATION


E. M. Curtis
District Superintendent

GWE:en

Attachments

PAN AMERICAN
S.E. CHA CHA UNIT WELL No. 14
660 FNL & 1830 FEL Sec 16-T28N-R13W.

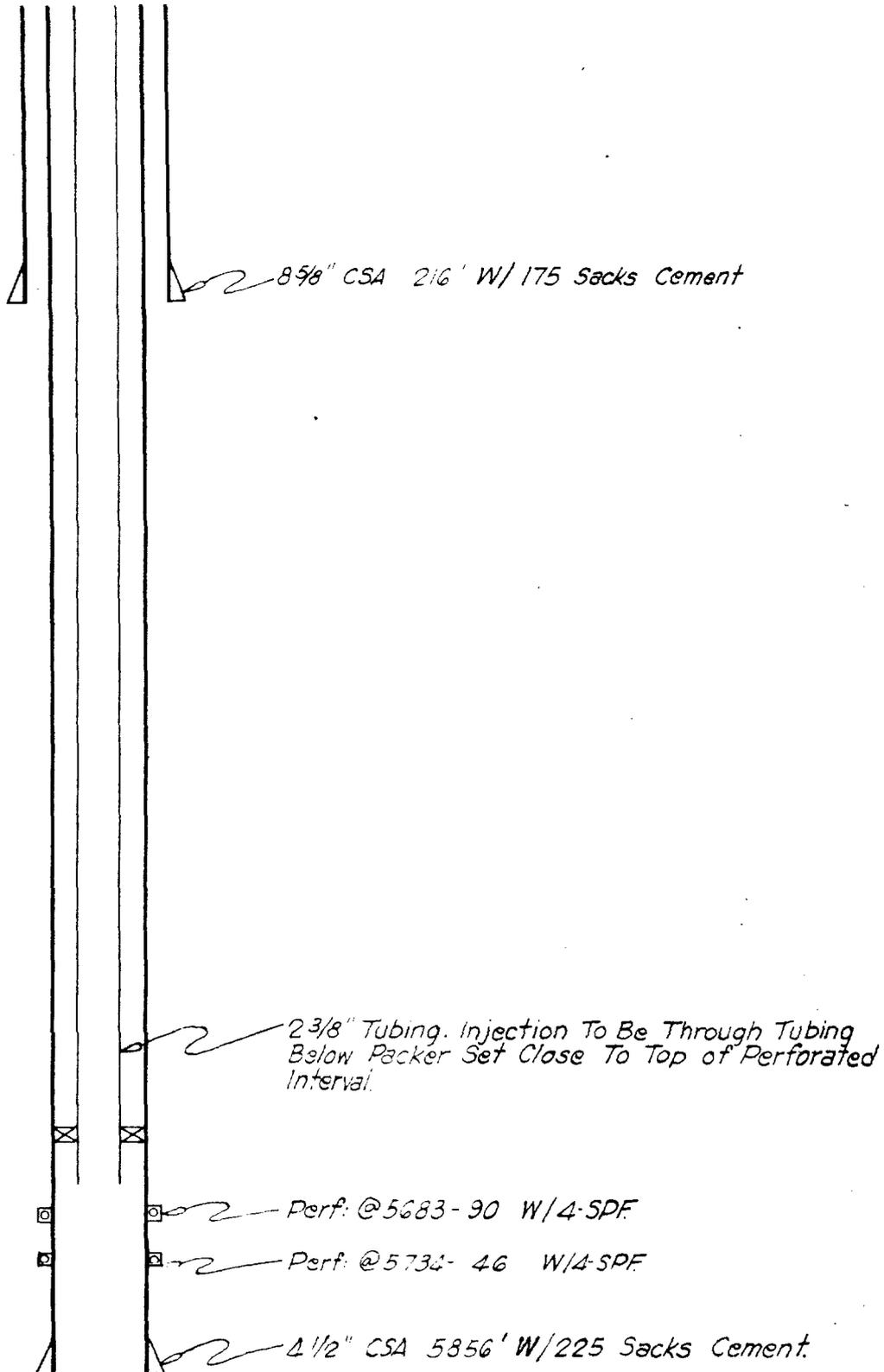


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SCALE

DRG
NO

PAN AMERICAN
S.E. CHA CHA UNIT WELL No. 21
1980' FSL & 660' FWL. Sec 16-T28N-R13W.

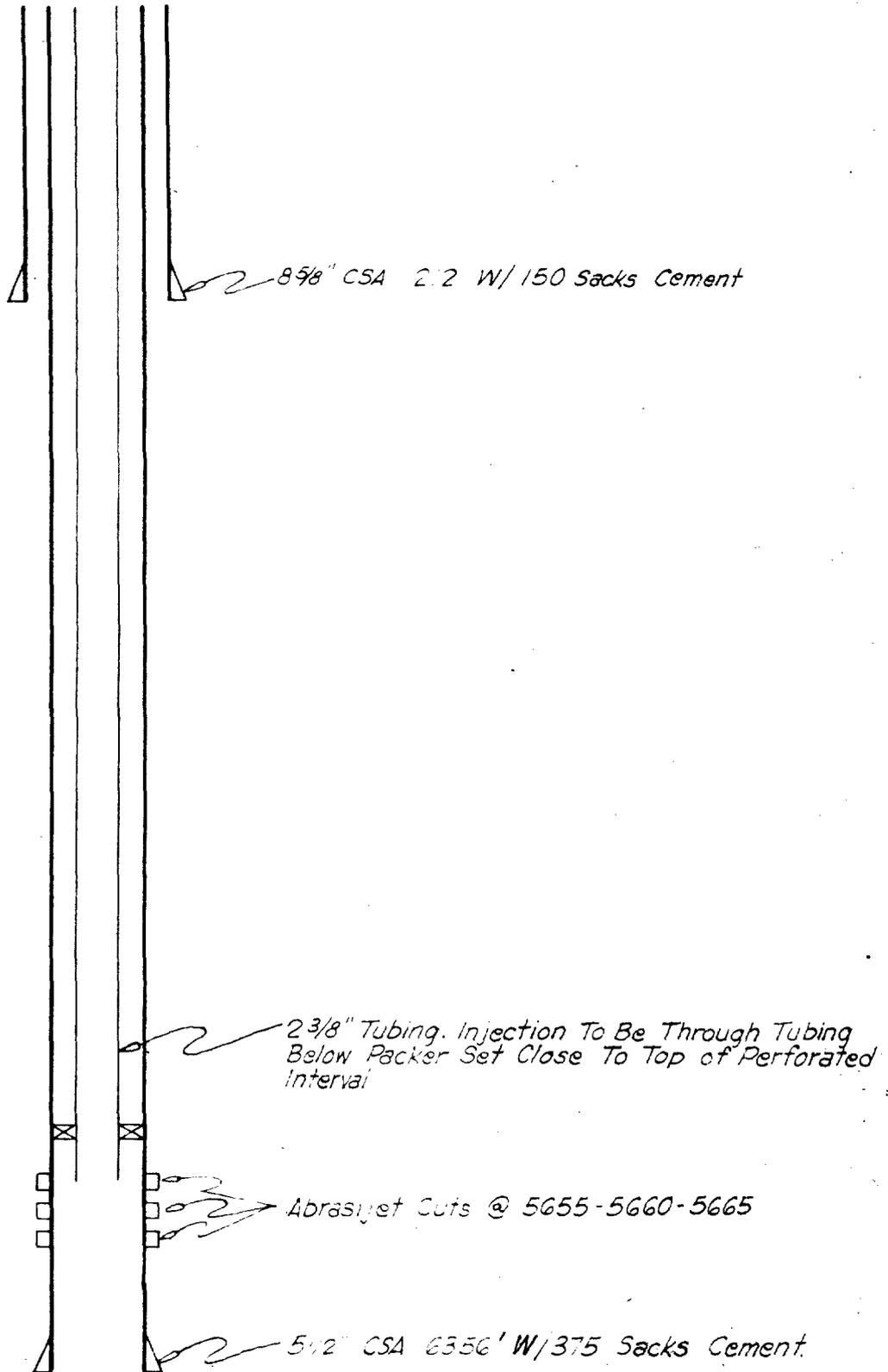


PAN AMERICAN PETROLEUM CORPORATION

SCALE:

DRG.
No.

PAN AMERICAN
S.E. CHA CHA UNIT WELL No. 26
790 -SL & 790 FEL. Sec. 17-T28N - R13W.



PAN AMERICAN PETROLEUM CORPORATION

SCALE:

DRG.
NO.

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