



YATES BUILDING - 207 SOUTH 4TH ST.
ARTESIA, NEW MEXICO - 88210

*Set for
Hearing
2 - cases*

Case 5676
S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. - TREAS.

May 14, 1976

Mr. Joe Ramey, Secry-Director
New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: Secondary Recovery Project
Eagle Creek (San Andres)
Eddy County, New Mexico

Dear Mr. Ramey:

water flood
Yates Petroleum Corporation desires to initiate in their Eagle Creek (San Andres) Pool a secondary recovery project having multiple phases of research and monitoring. Priority concern is density drilling to determine the enhancement of recovery by closer spacing (8-acre spacing), then the conversion of perimeter wells one at a time while monitoring the producer in the center location. The first input well would be set up for water injection at 400 psi wellhead pressure, and subsequent conversions would be for polymer flooding, miscellar flooding and miscible flooding, but not necessarily in this order.

In accord with OCC Rule 701B, attached hereto are lease ownership plat showing the location of all wells within a two-mile radius, logs and diagramatic sketches of the proposed injection wells. All wells are slaughter oil completions.

The proposed pilot area is Unit G of Section 22-173-253, The wells to be converted are the J Lazy J Nos. 3, 6, 9 and 11, and are existing oil wells. A fifth well needs to be

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Secondary Recovery Project
Eagle Creek (San Andres)

drilled in the center of the 40-acres (located 1980' FEL
and 1980' FNL of Section 22), designated as J Lazy J No. 13.

An exception to Rule 104(C)-1 is asked for this fifth
well. Thank you.

unorthodox oil well location ↗

Yours very truly,

YATES PETROLEUM CORPORATION


Eddie M. Mahfood
Engineer

EMM/pt

[illegible]

Diagrammatic Sketch of Proposed Injection Well

J Lazy J #11, 2310' FNL, 2310' FEL, Sec. 22-17S-25E, Eddy Co., NM

Elev: 3533' GR = 3546' KB

Spudded: 10-8-75
TD Reached: 10-12-75
Completed: 11-1-75
IPP: 44 BCPD

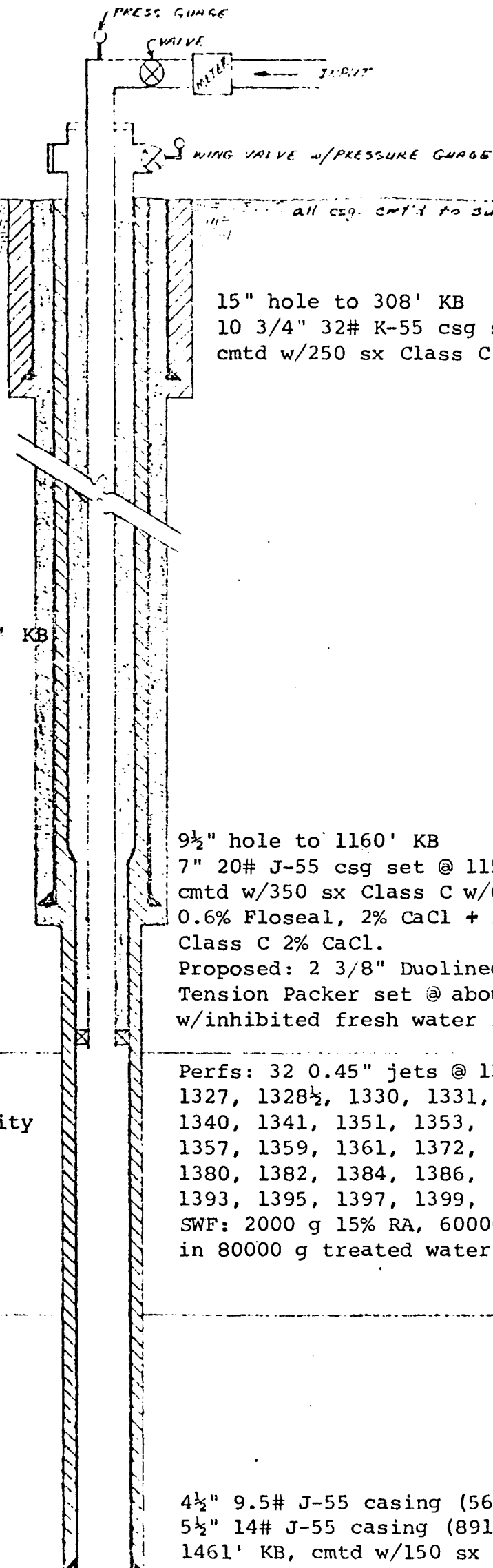
Top of San Andres @ 741' KB

Base of Artesian Zone @ 1041' KB

Top of Slaughter @ 1214'

Slaughter Pay
Dol w/vuggy & interxln porosity
@ 1270-1420'

COTD: 1460' KB



15" hole to 308' KB
10 3/4" 32# K-55 csg set at 306' KB
cmt'd w/250 sx Class C 4% CaCl

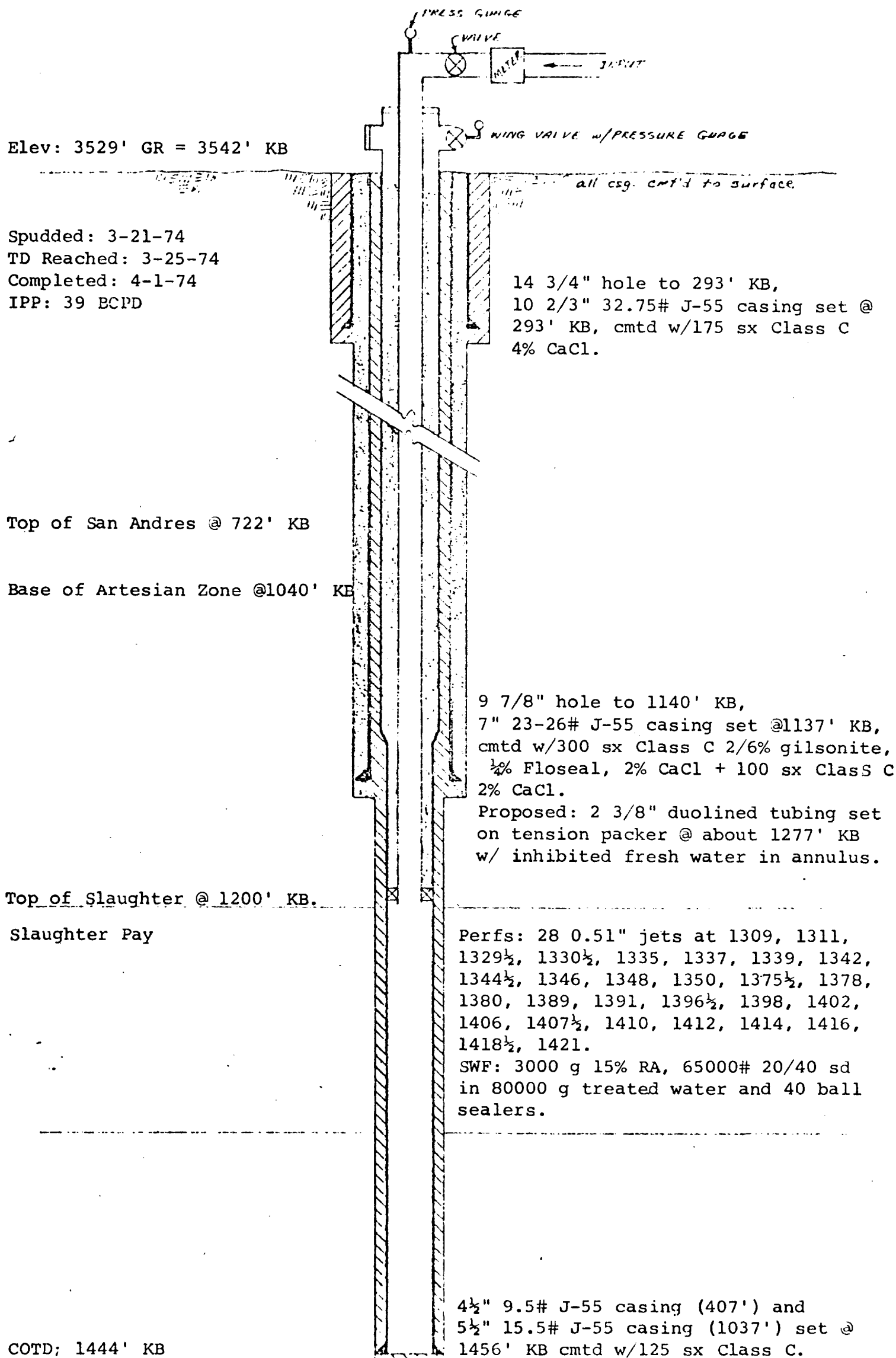
9 1/2" hole to 1160' KB
7" 20# J-55 csg set @ 1159' KB
cmt'd w/350 sx Class C w/6% gilsonite,
0.6% Floseal, 2% CaCl + 150 sx
Class C 2% CaCl.
Proposed: 2 3/8" Duolined Tubing on
Tension Packer set @ about 1280' KB
w/inhibited fresh water in annulus.

Perfs: 32 0.45" jets @ 1323, 1325,
1327, 1328 1/2, 1330, 1331, 1333, 1338,
1340, 1341, 1351, 1353, 1354 1/2, 1356,
1357, 1359, 1361, 1372, 1374, 1376,
1380, 1382, 1384, 1386, 1388, 1390,
1393, 1395, 1397, 1399, 1417, 1419,
SWF: 2000 g 15% RA, 60000# 20/40 sd
in 80000 g treated water.

4 1/2" 9.5# J-55 casing (565') and
5 1/2" 14# J-55 casing (891') set at
1461' KB, cmt'd w/150 sx Class C.

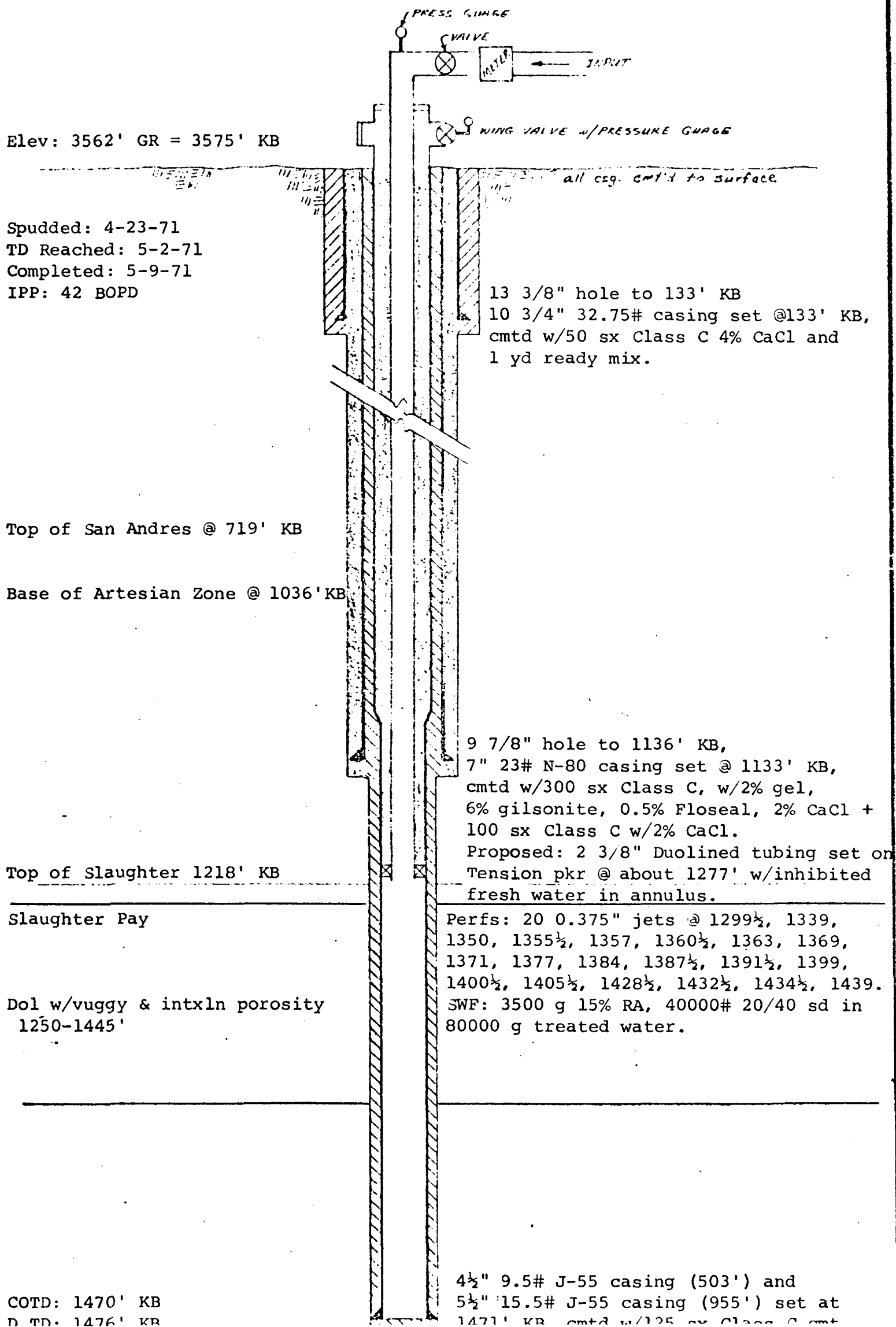
Diagrammatic Sketch of Proposed Injection Well

J Lazy J No. 6, 1650' FNL, 2310' FEL, Sec. 22-17S-25E, Eddy Co, NM



Diamrammatic Sketch of Proposed Injection Well

J Lazy J No. 3, 2310' FNL, 1650' FEL, Sec. 22-17S-25E, Eddy Co, NM



Diagrammatic Sketch of Proposed Injection Well

J Lazy J No. 9, 1650' FNL, 1650' FEL, Sec. 22-17S-25e, Eddy Co, NM

Elev: 3530' GR = 3543' KB

Spudded: 8-7-74

TD Reached: 8-13-74

Completed: 8-24-74

IPP: 35 BOPD

Top of San Andres @ 723'.

Base of Artesian Zone @ 1048'.

Top of Slaughter @ 1201' KB.

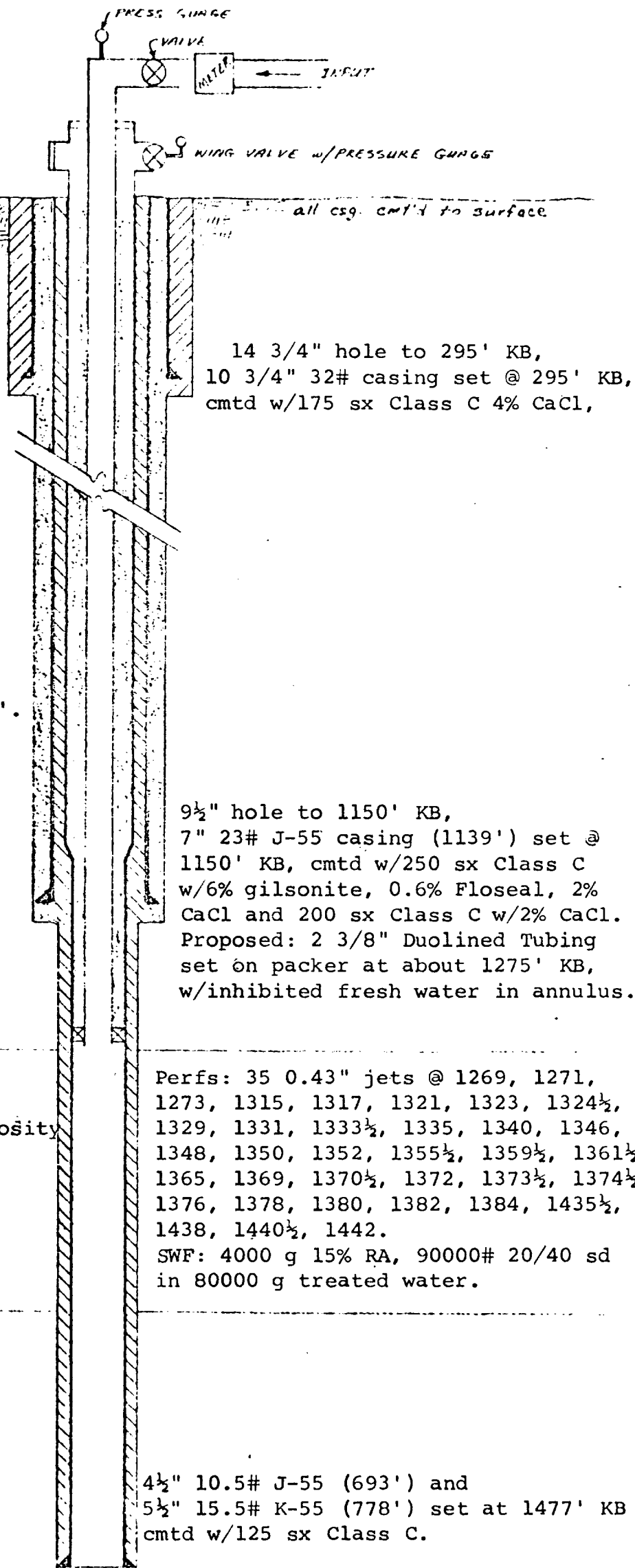
Slaughter Pay

Dol w/vuggy and interxln porosity
1240-1444'

Cored 1315-1474'

COTD: 1470' KB

D.TD: 1477' KB



4 1/2" 10.5# J-55 (693') and
5 1/2" 15.5# K-55 (778') set at 1477' KB
cmt'd w/125 sx Class C.