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5016

Unit Name SEVEN RIVERS QUEEN UNIT (WATERFLOOD)

Operator Atlantic Richfield Company

County Lea County

5016 &
 OCC CASE NO. 5017
 OCC ORDER NO. R-4584 and
 R-4589

DATE APPROVED	EFFECTIVE DATE	TOTAL ACREAGE	STATE	FEDERAL	INDIAN-FEE	SEGREGATION CLAUSE	TERM
Commissioner 7-26-73	8-1-73	2,262.36	662.36	-0-	1,600.00	Yes	5yrs.

UNIT AREA

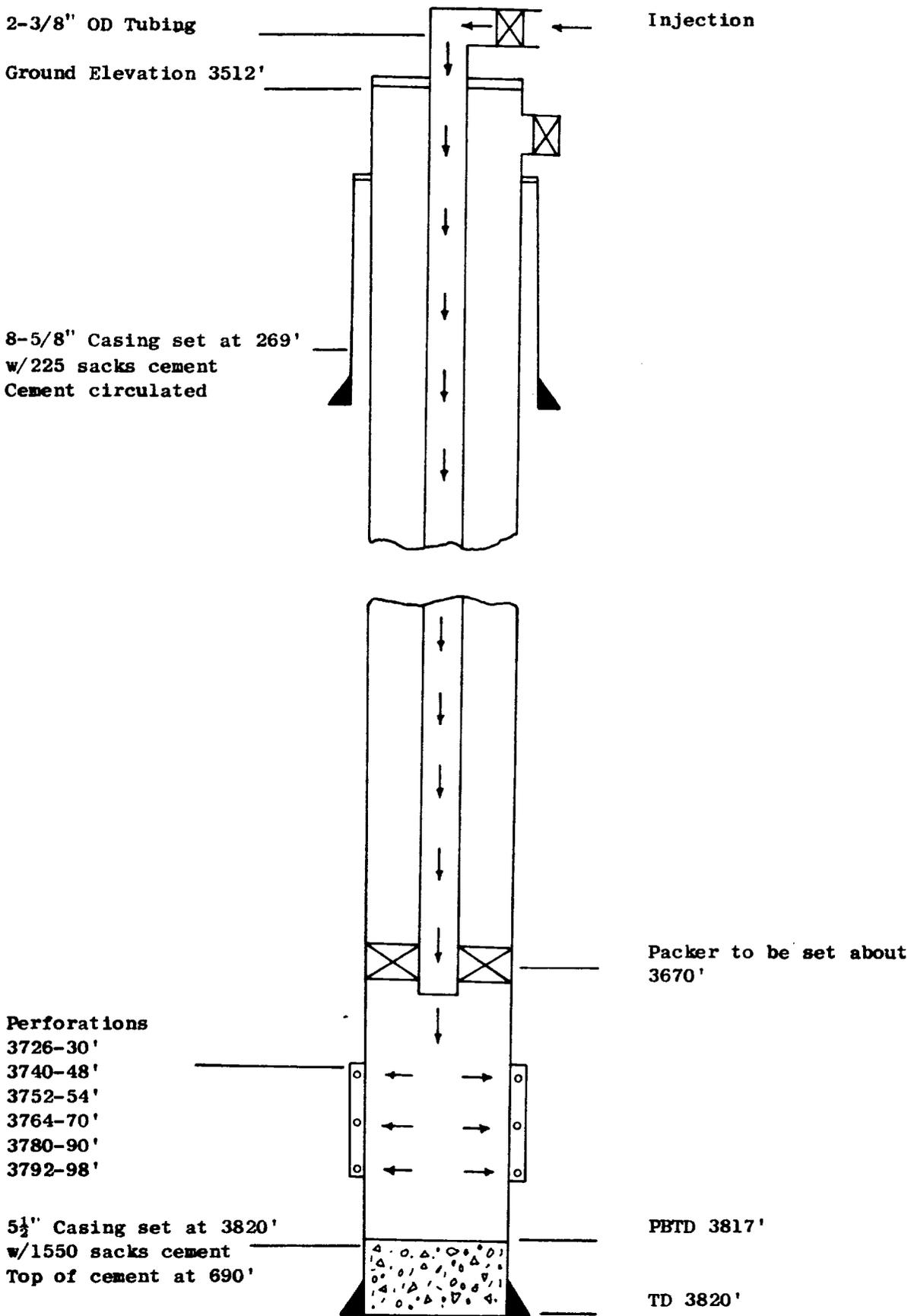
TOWNSHIP 22 SOUTH, RANGE 36 EAST, NMPM
 Sections 27 and 34: All
 Section 35: W/2

TOWNSHIP 23 SOUTH, RANGE 36 EAST, NMPM
 Section 2: N/2
 Section 3: N/2

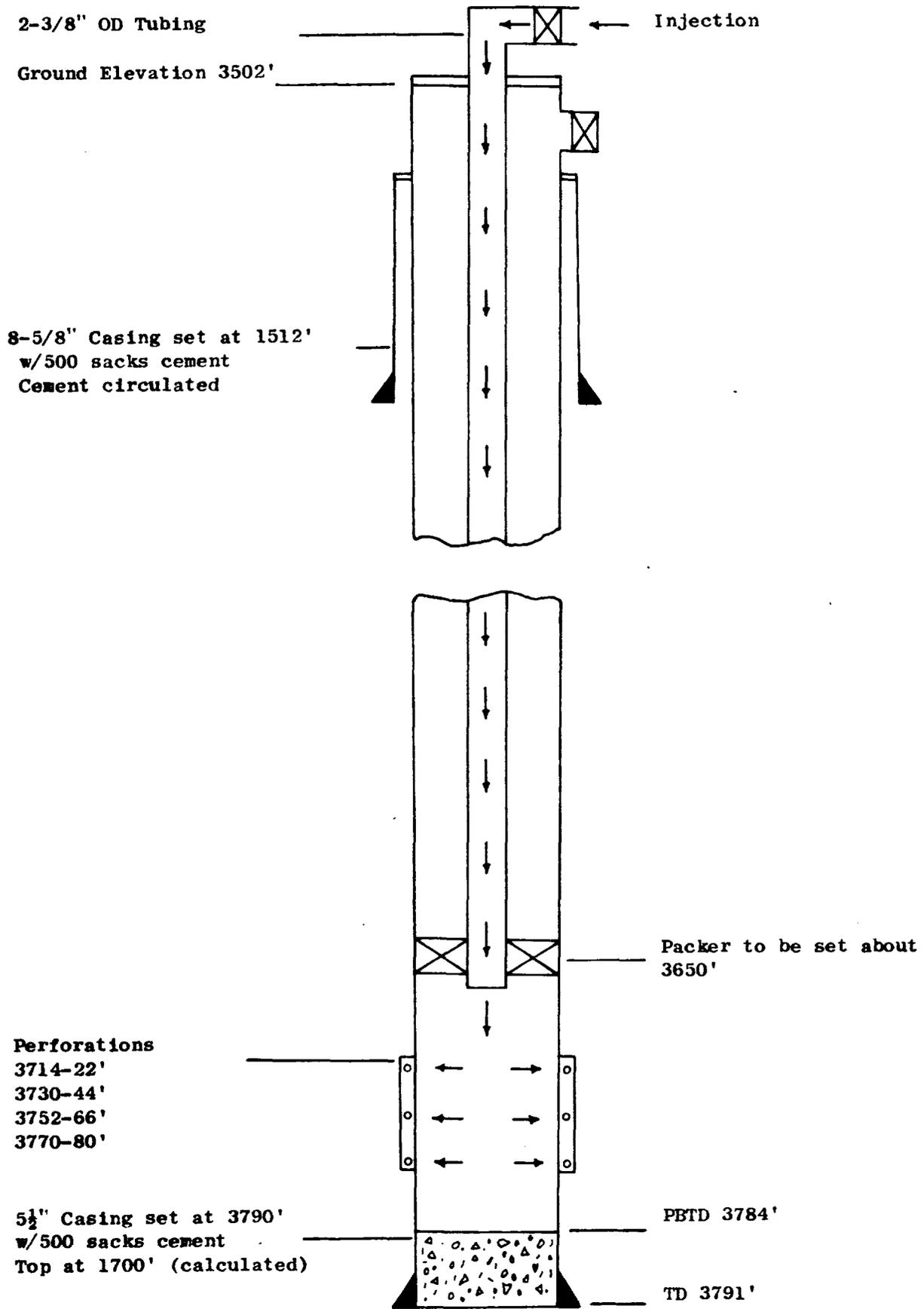
Unit Name SEVEN RIVERS QUEEN UNIT (WATERFLOOD)
 Operator Atlantic Richfield Company
 County Lea County, New Mexico

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION	RATIFIED DATE	ACRES	ACREAGE NOT RATIFIED	LESSEE
10	B-1506	C.S.	3	23S	36E	Lots 1, 2, 3, 4, S/2NE/4, and S/2NW/4	5-17-73	329.72		Atlantic Richfield Co.
11	B-229-1	C.S.	2	23S	36E	N/2	4-18-73	332.64		Gulf Oil Corporation

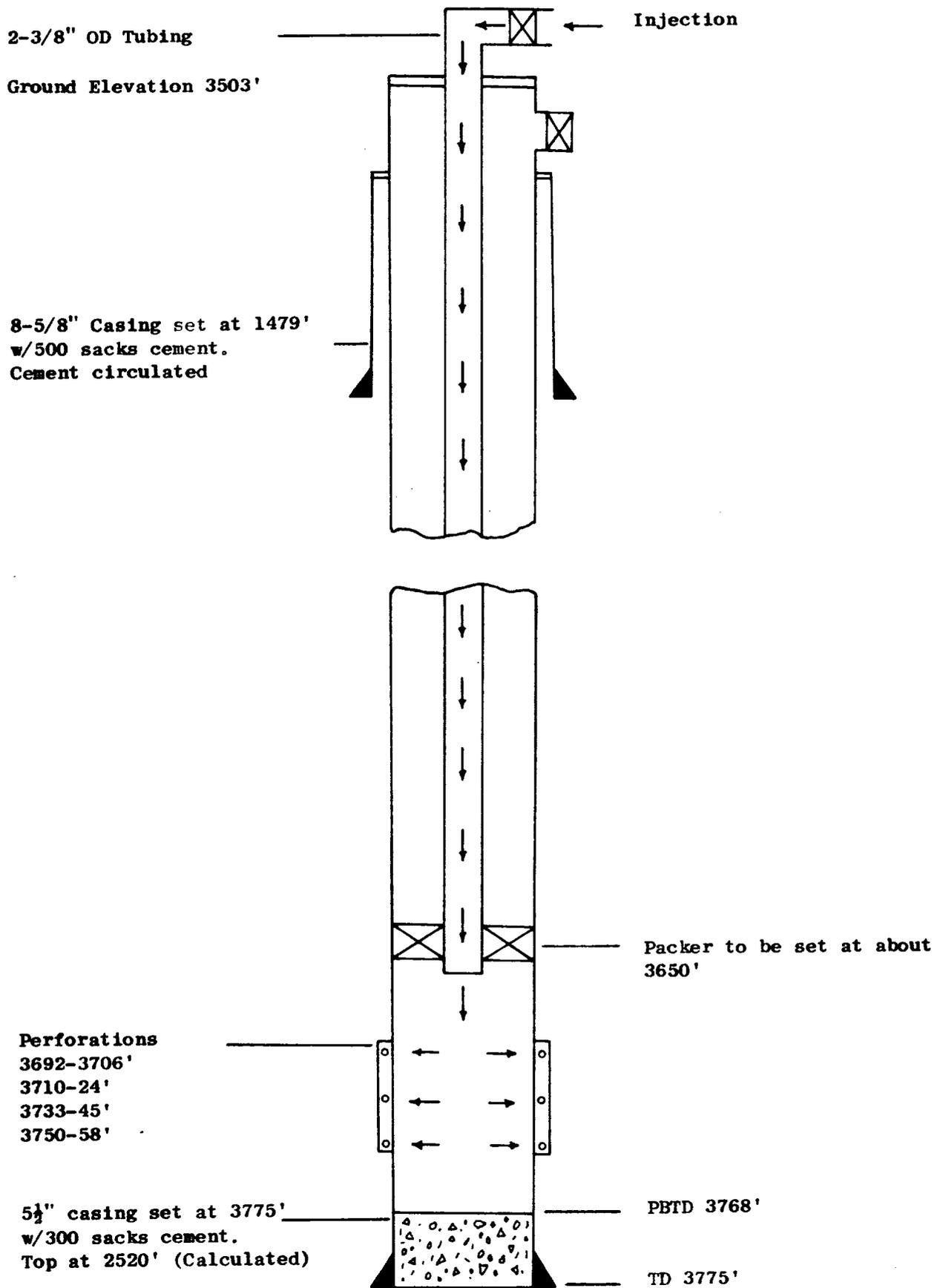
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 1 (Gulf A. L. Christmas "A" No. 6)
 330' FNL & 990' FEL Section 27, T-22S, R-36E
 Lea County, New Mexico



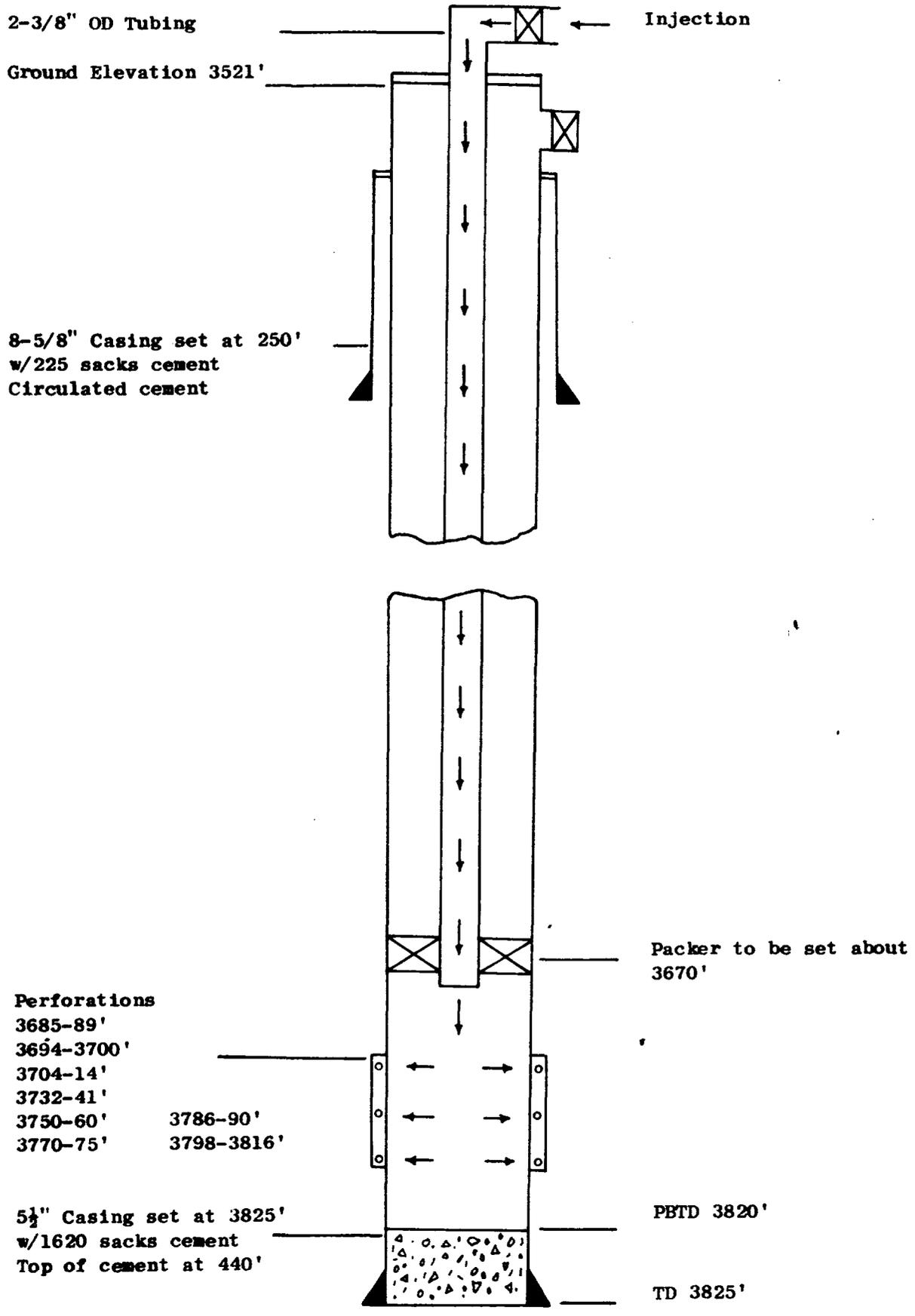
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 3 (ARCo Shipley "A" No. 5)
 660' FNL & 2080' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



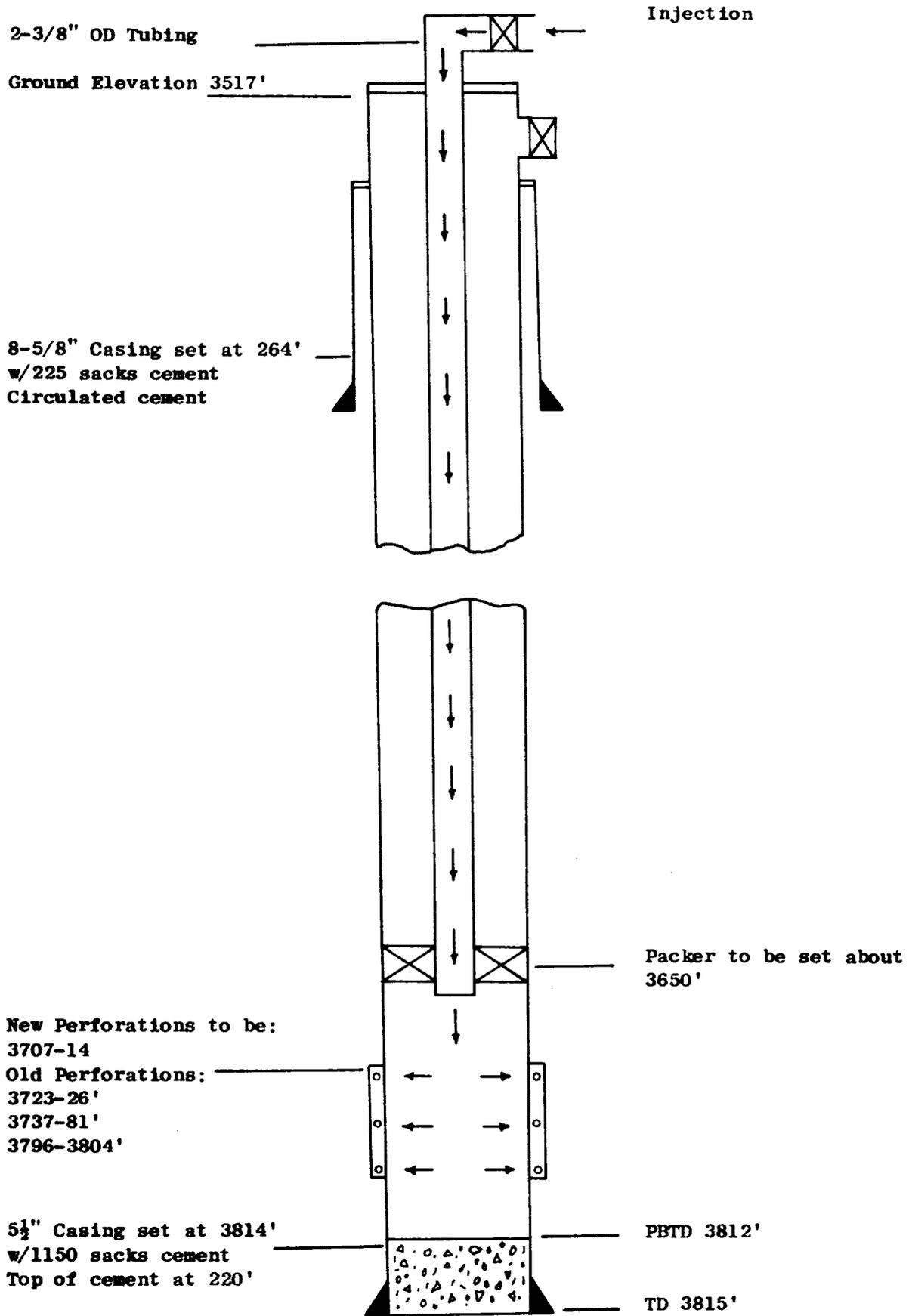
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 5 (ARCO Shipley "A" No. 3)
 1980' FNL & 660' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



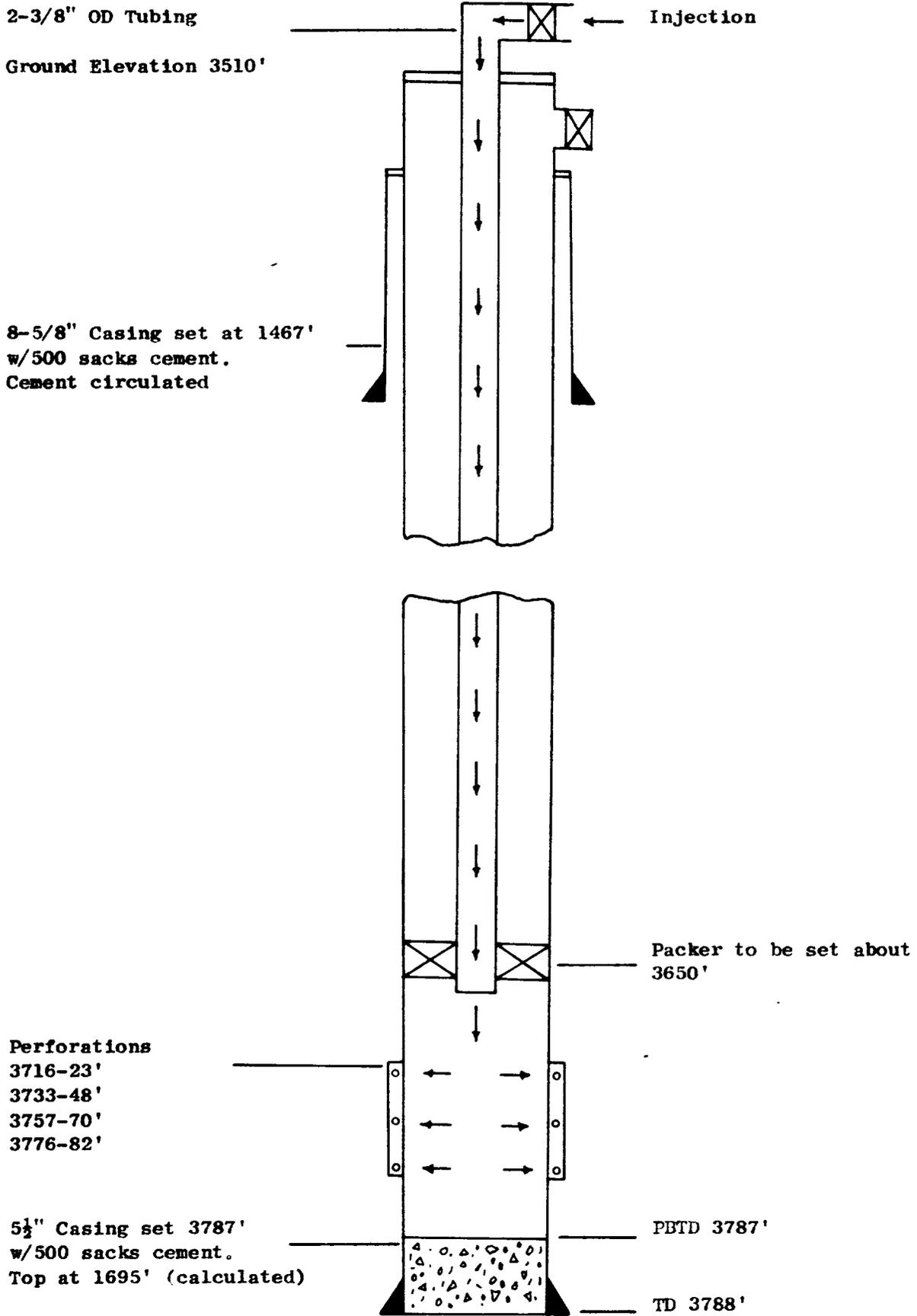
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 7 (Gulf A. L. Christmas "A" No. 4)
1980' FNL & 1980' FEL Section 27, T-22S, R-36E
Lea County, New Mexico



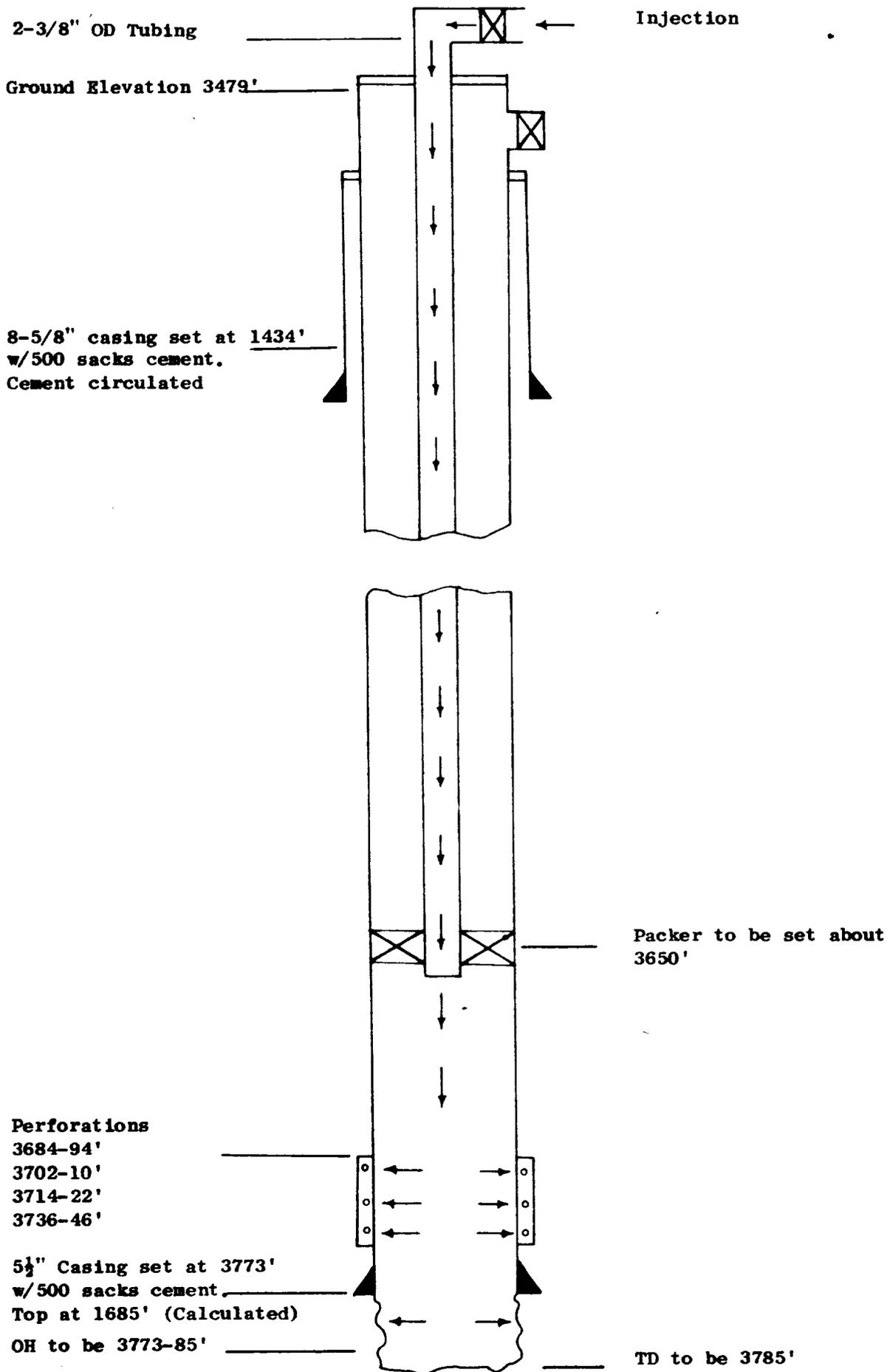
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 9 (A. L. Christmas "A" No. 8)
1980' FSL & 660' FEL Section 27, T-22S, R-36E
Lea County, New Mexico



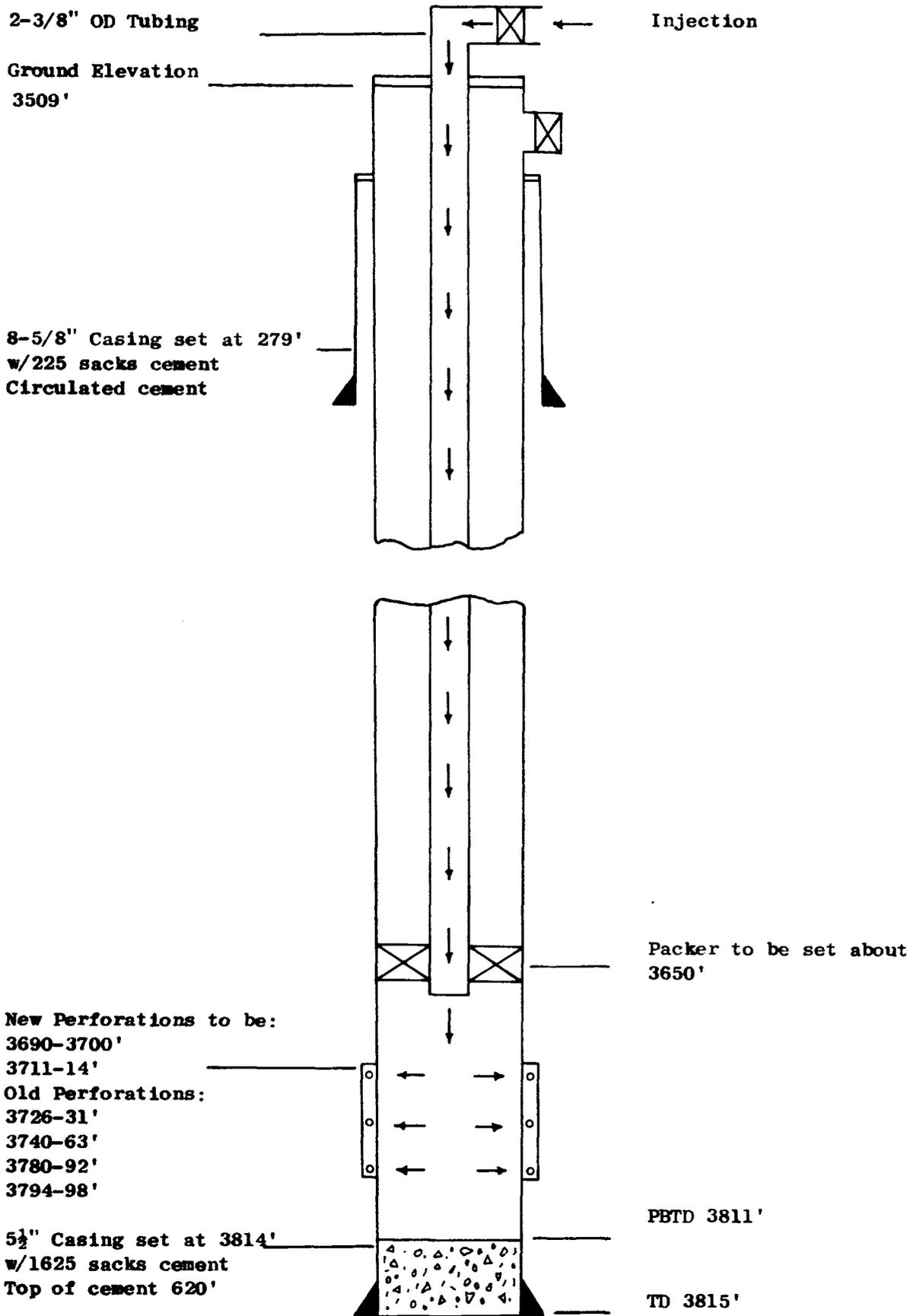
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 11 (ARCo Mattie Shipley No. 3)
1980' FSL & 1980' FWL Section 27, T-22S, R-36E
Lea County, New Mexico



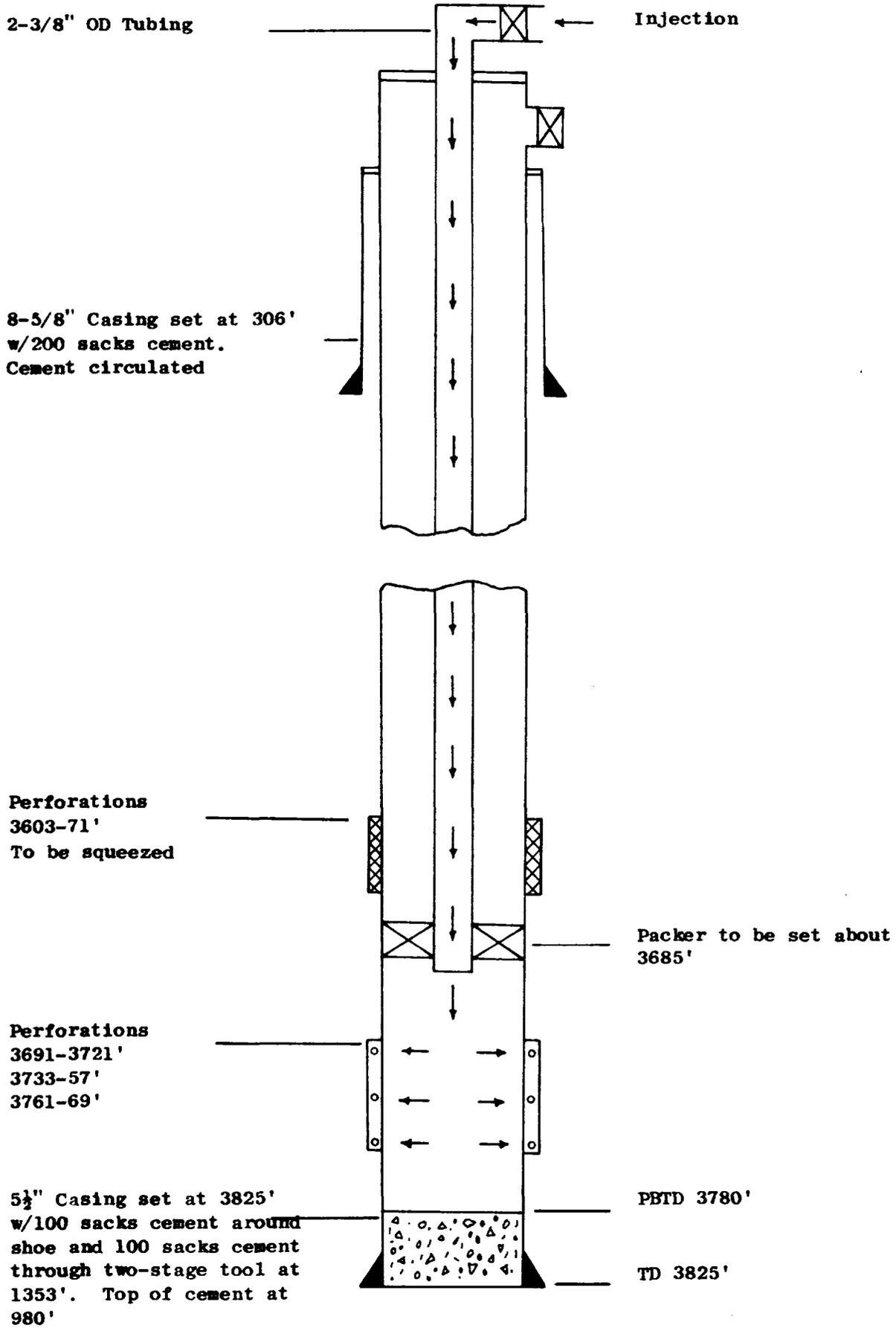
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 13 (ARCo Mattie Shipley No. 4)
 660' FSL & 660' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



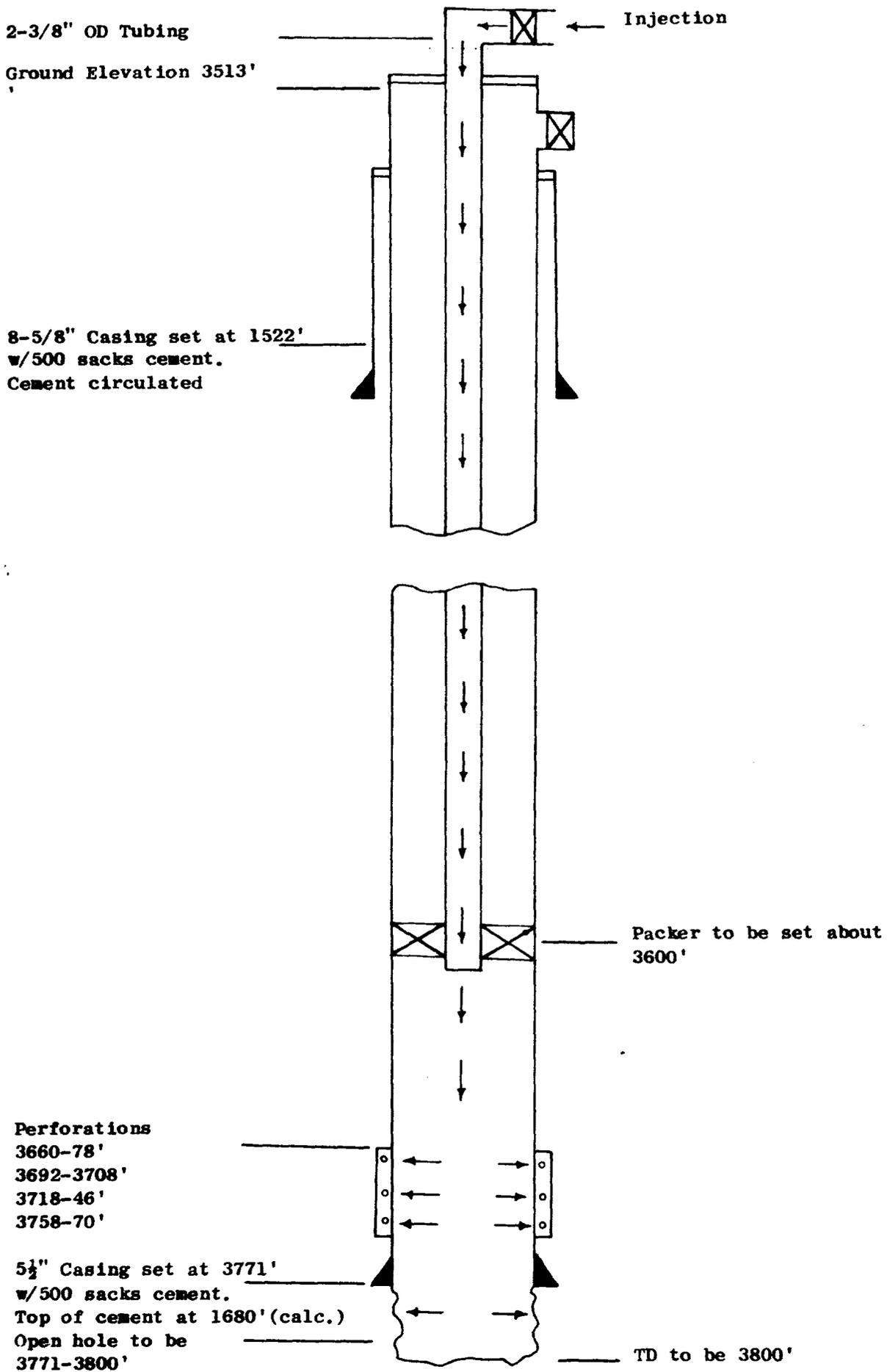
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 15 (Gulf A. L. Christmas "A" No. 7)
 660' FSL & 1980' FEL Section 27, T-22S, R-36E
 Lea County, New Mexico



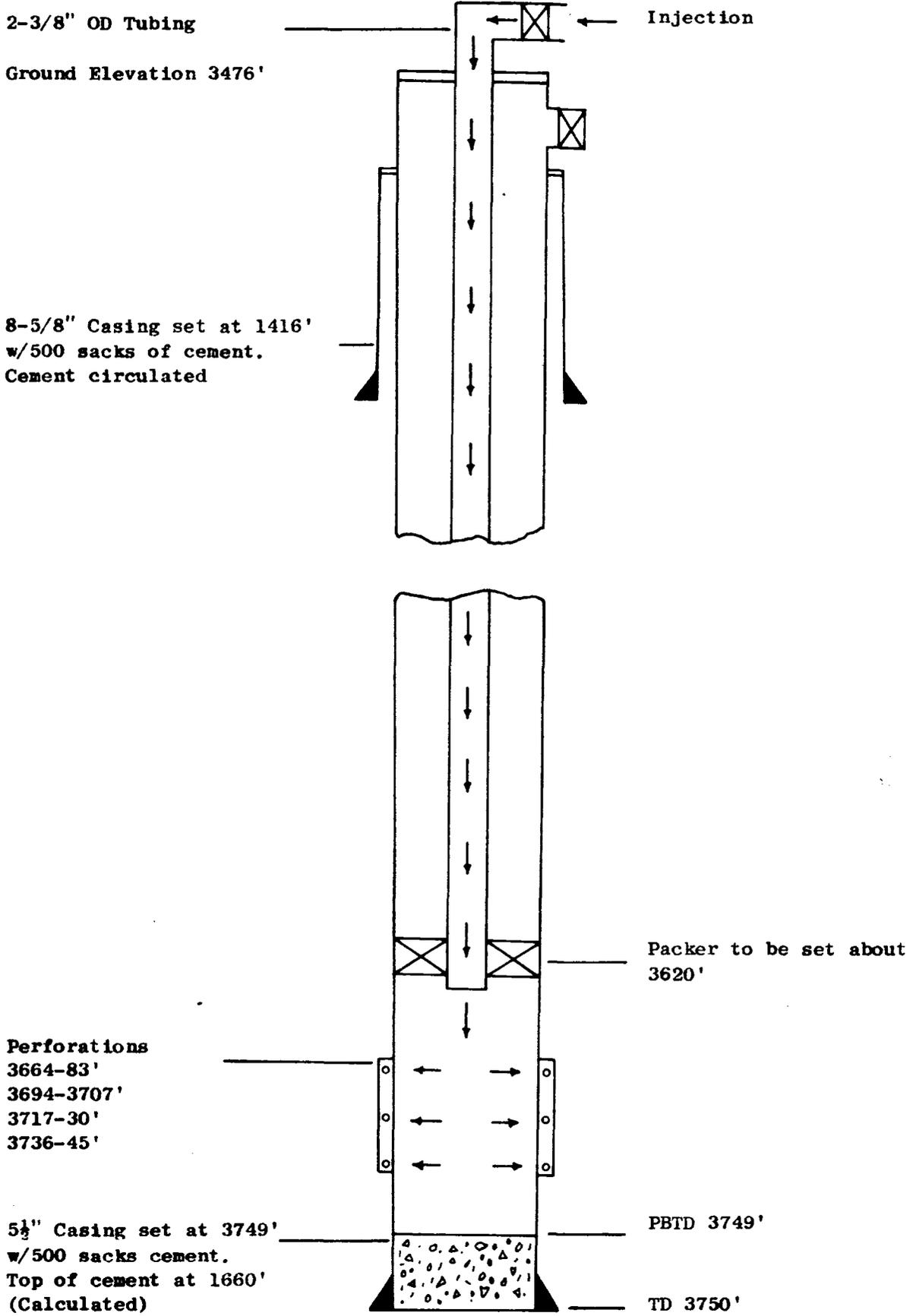
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 17 (ARCo R. M. Jones No. 3)
660' FNL & 1980' FWL Section 35, T-22S, R-36E
Lea County, New Mexico



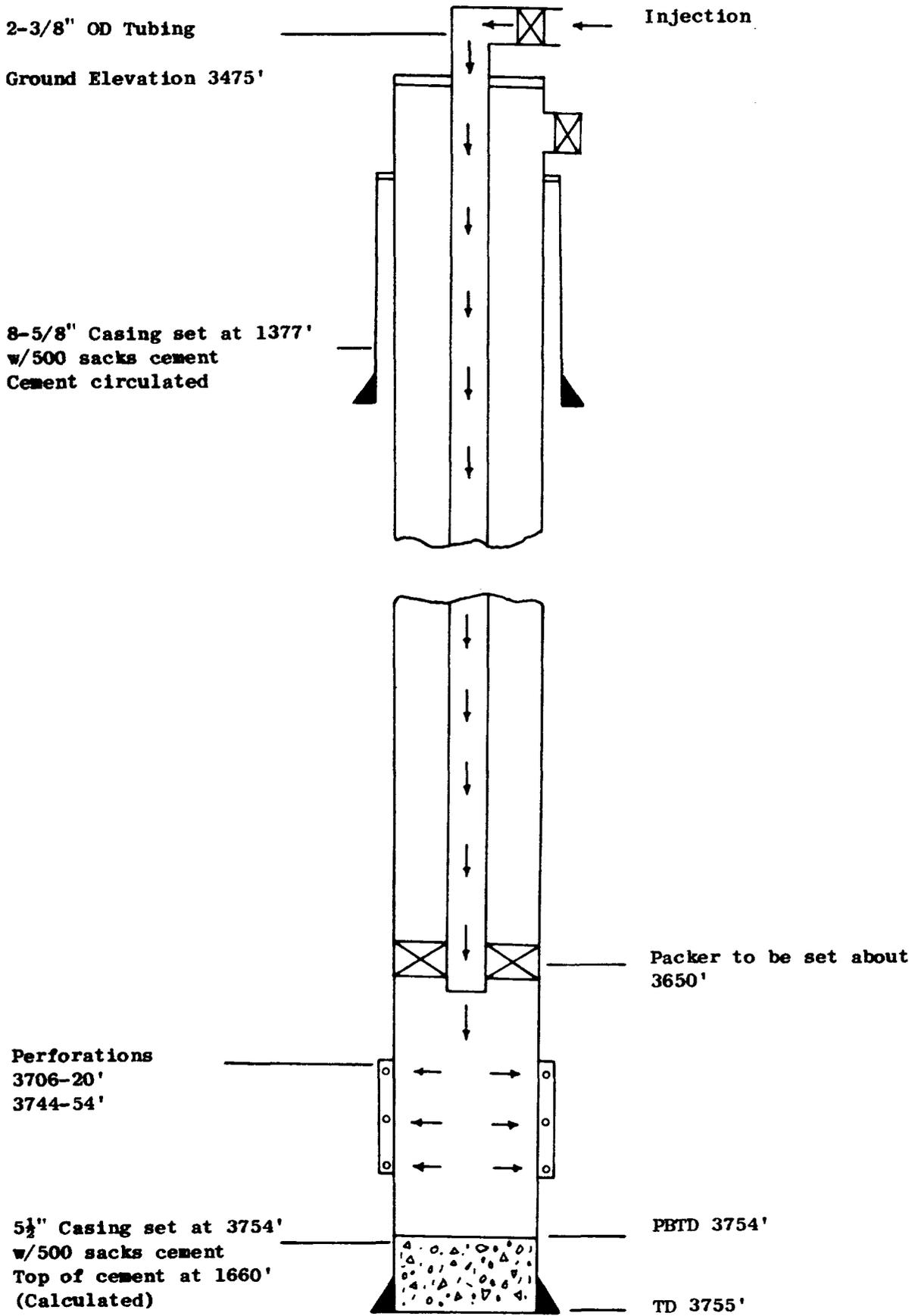
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 19 (ARCo C. Jones No. 6)
 660' FNL & 660' FEL Section 34, T-22S, R-36E
 Lea County, New Mexico



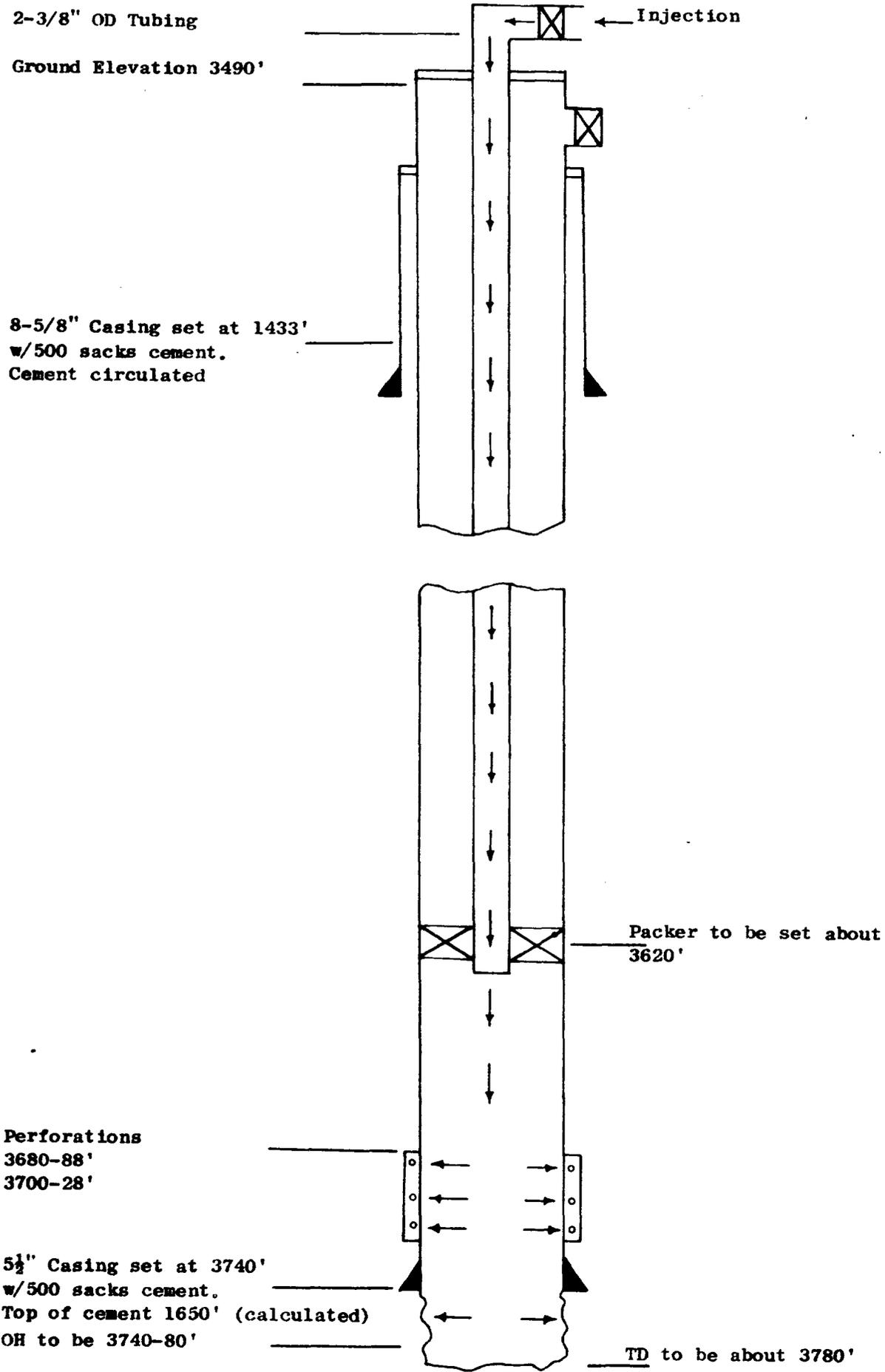
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 21 (ARCo C. Jones No. 3)
 660' FNL & 1980' FWL Section 34, T-22S, R-36E
 Lea County, New Mexico



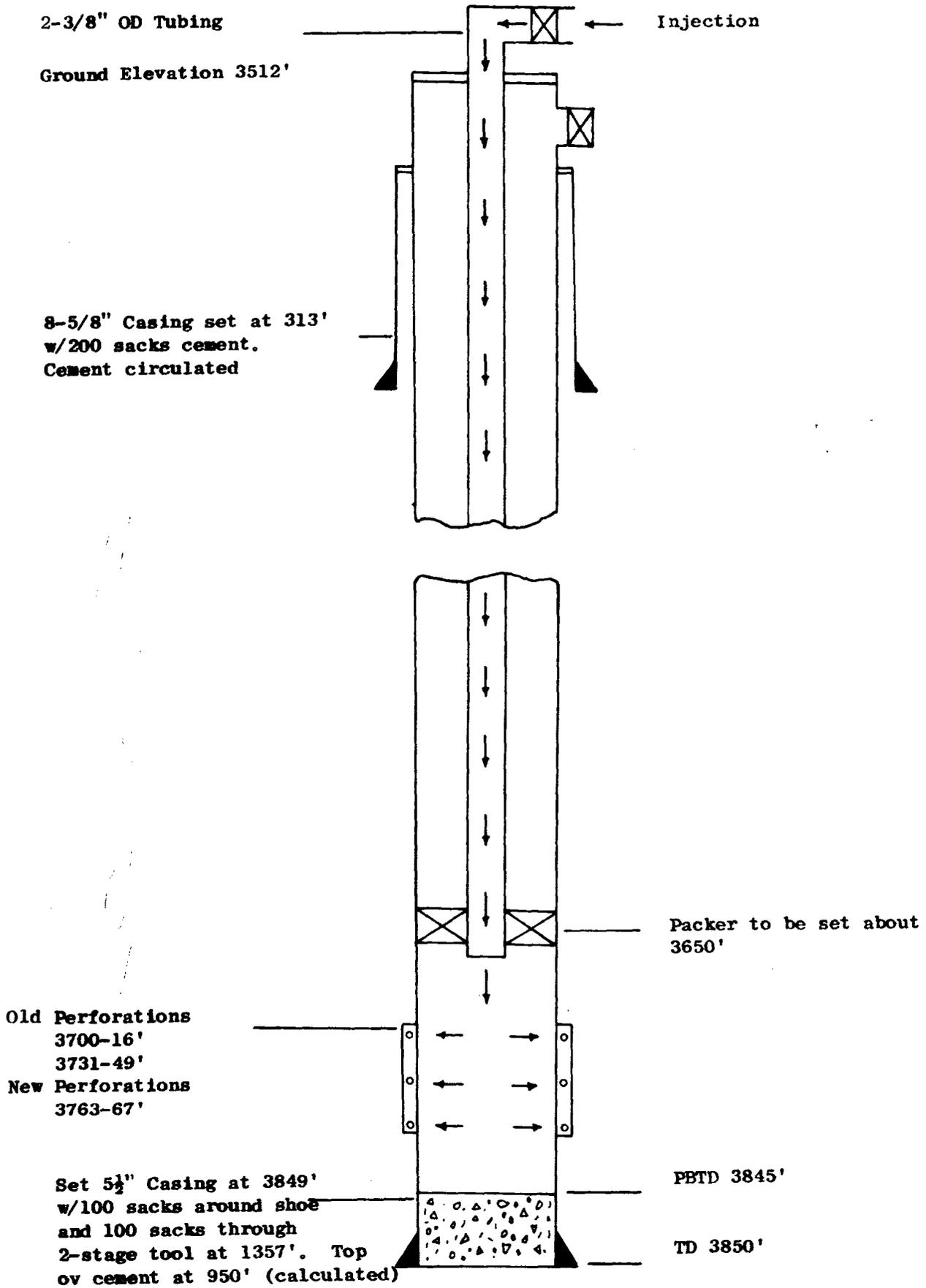
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 23 (ARCo C. Jones No. 9)
1980' FNL & 660' FWL Section 34, T-22S, R-36E
Lea County, New Mexico



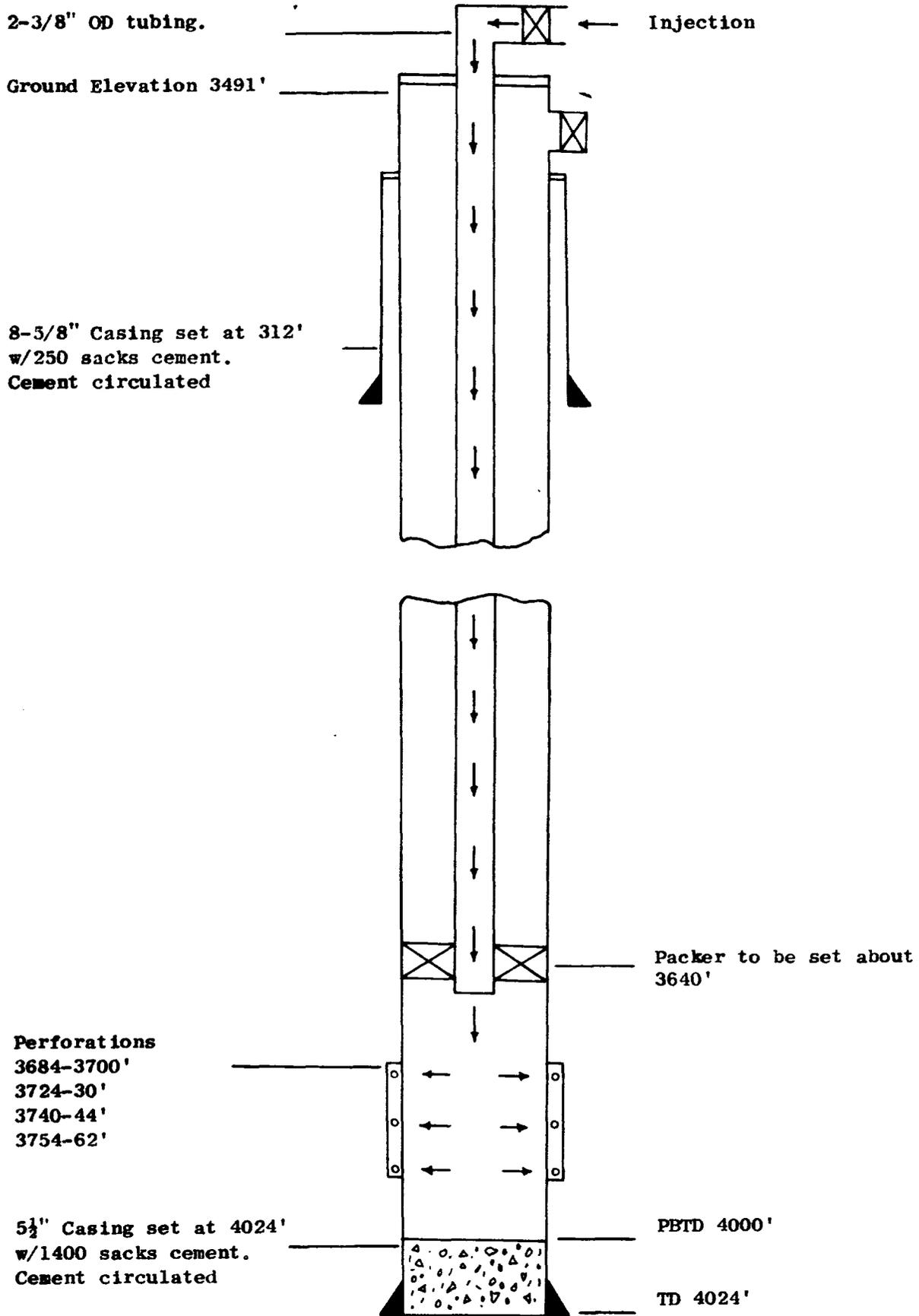
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 25 (ARCo C. Jones No. 8)
 1980' FNL & 1980' FEL Section 34, T-22S, R-36E
 Lea County, New Mexico



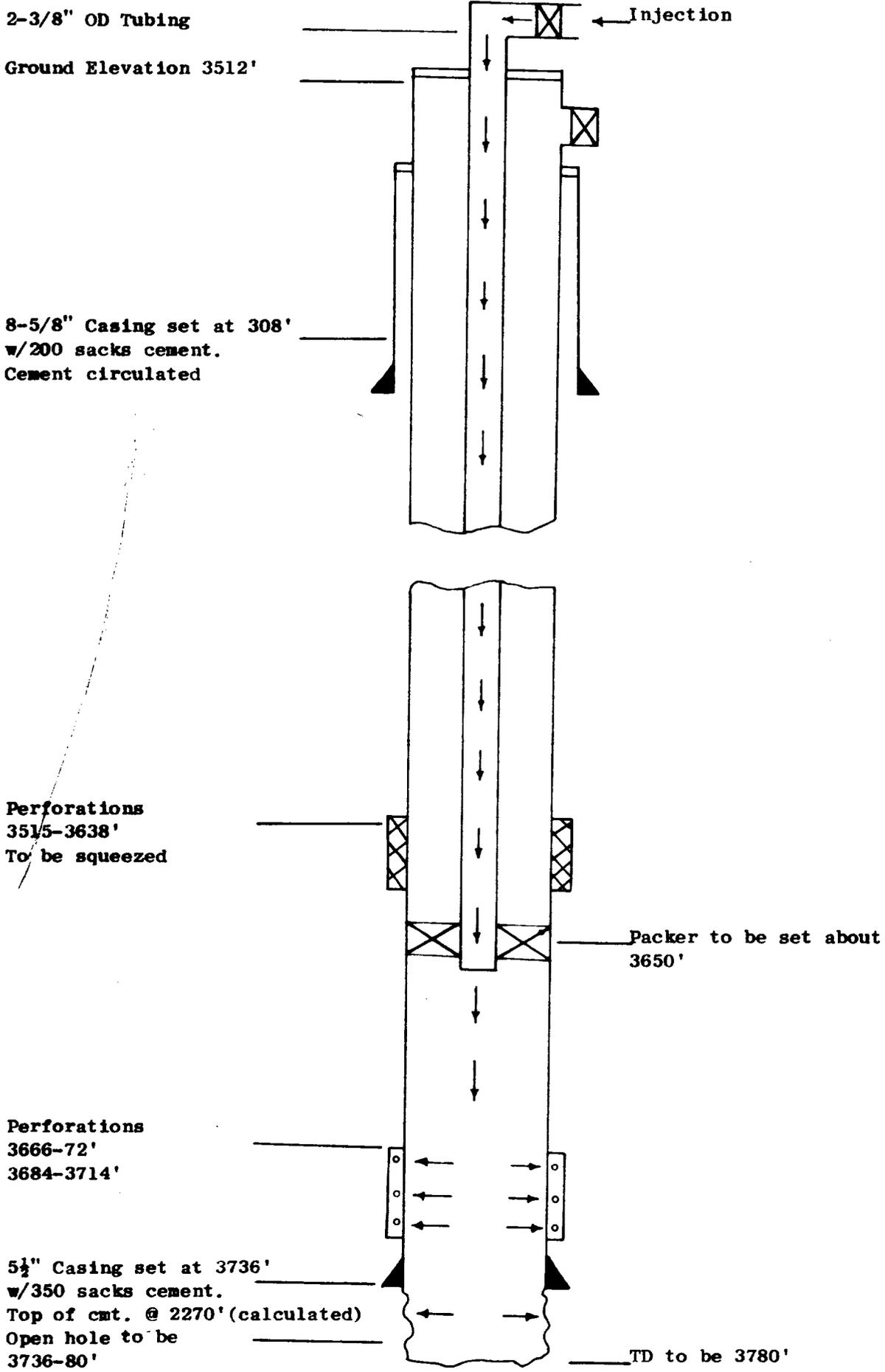
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 27 (ARCo R. Jones No. 5)
 1980' FNL & 660' FWL Section 35, T-22S, R-36E
 Lea County, New Mexico



ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 29 (Gackle R. Jones No. 3)
 1980' FSL & 1980' FWL Section 35, T-22S, R-36E
 Lea County, New Mexico



ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 31 (ARCo O. L. Jones "C" No. 1)
2310' FSL & 990' FEL Section 34, T-22S, R-36E
Lea County, New Mexico



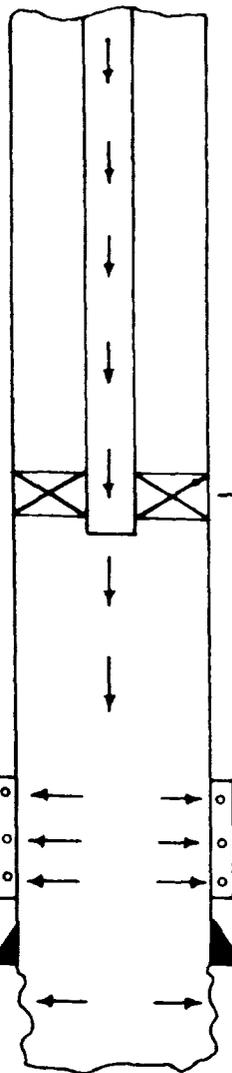
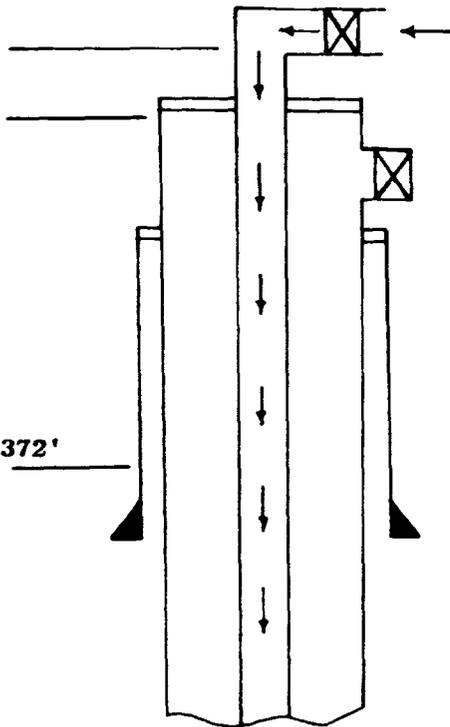
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 33 (ARCo Hale No. 2)
 1980' FSL & 1980' FWL Section 34, T-22S, R-36E
 Lea County, New Mexico

2-3/8" OD Tubing

Ground Elevation 3481'

8-5/8" Casing set at 1372'
 w/500 sacks cement.
 Cement circulated

Injection



Packer to be set about
 3600'

Perforations

3640-56'

3670-82'

3691-3703'

3706-16'

5 1/2" Casing set at 3725'

w/500 sacks cement.

Top of cement at 1630'

(calculated)

Open hole to be

3725-65'

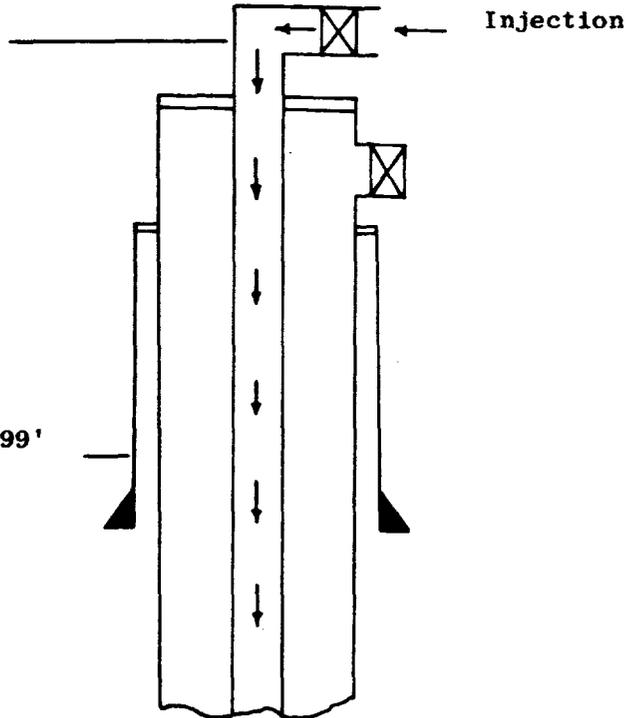
TD to be 3765'

ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 35 (ARCo Hale No. 5)
660' FSL & 660' FWL Section 34, T-22S, R-36E
Lea County, New Mexico

2-3/8" OD tubing

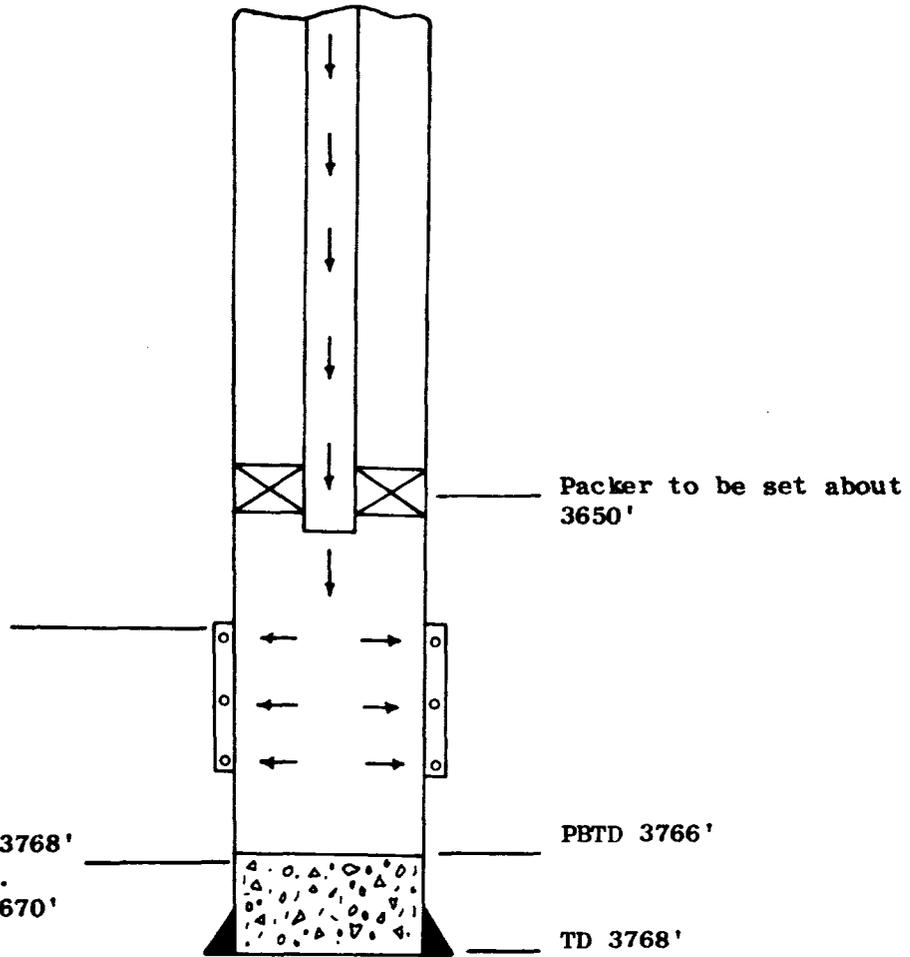
Ground Elevation 3506'

8-5/8" Casing set at 1399'
w/500 sacks cement.
Cement circulated

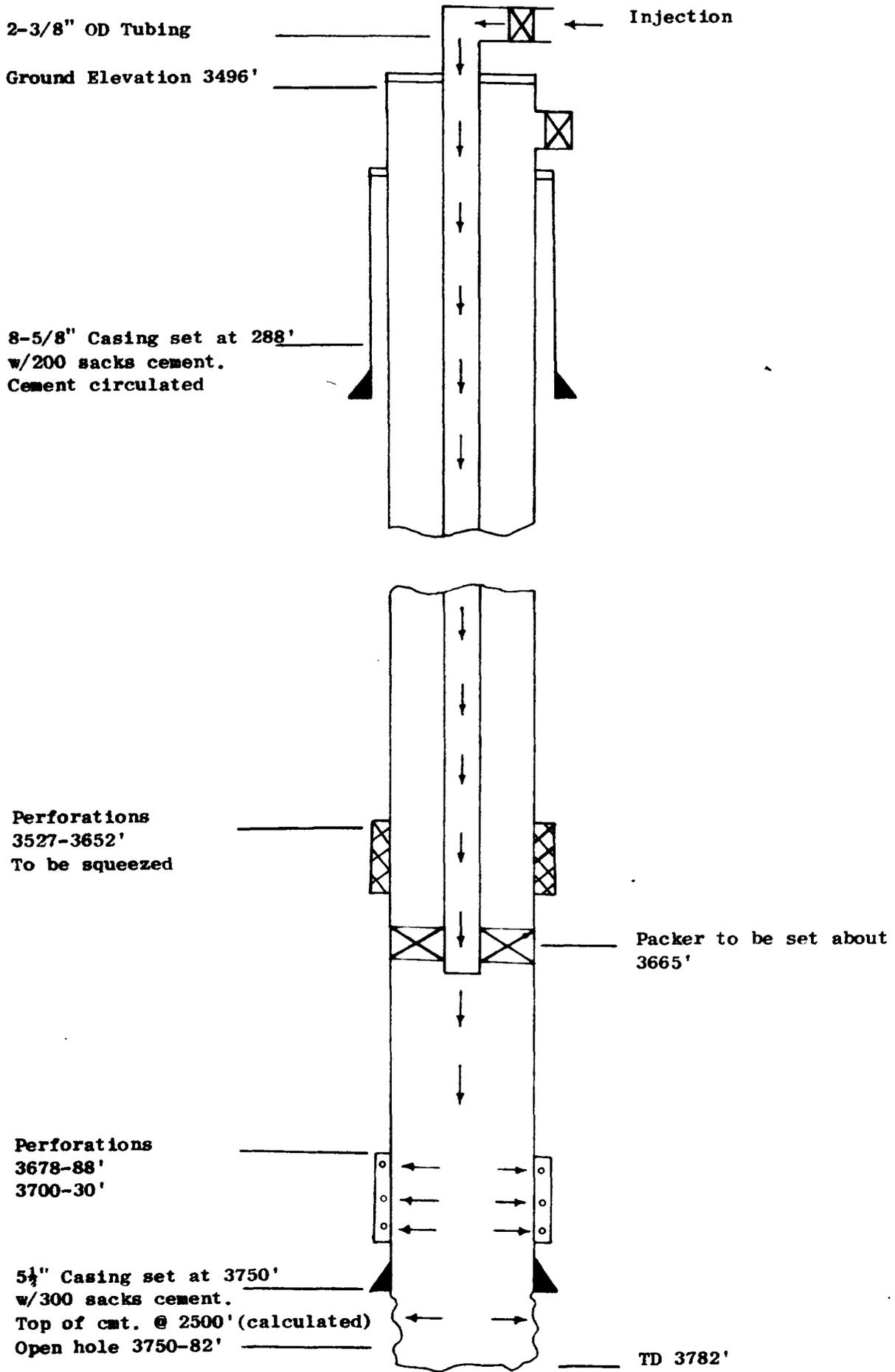


Perforations
3715-27'
3738-51'
3756-65'

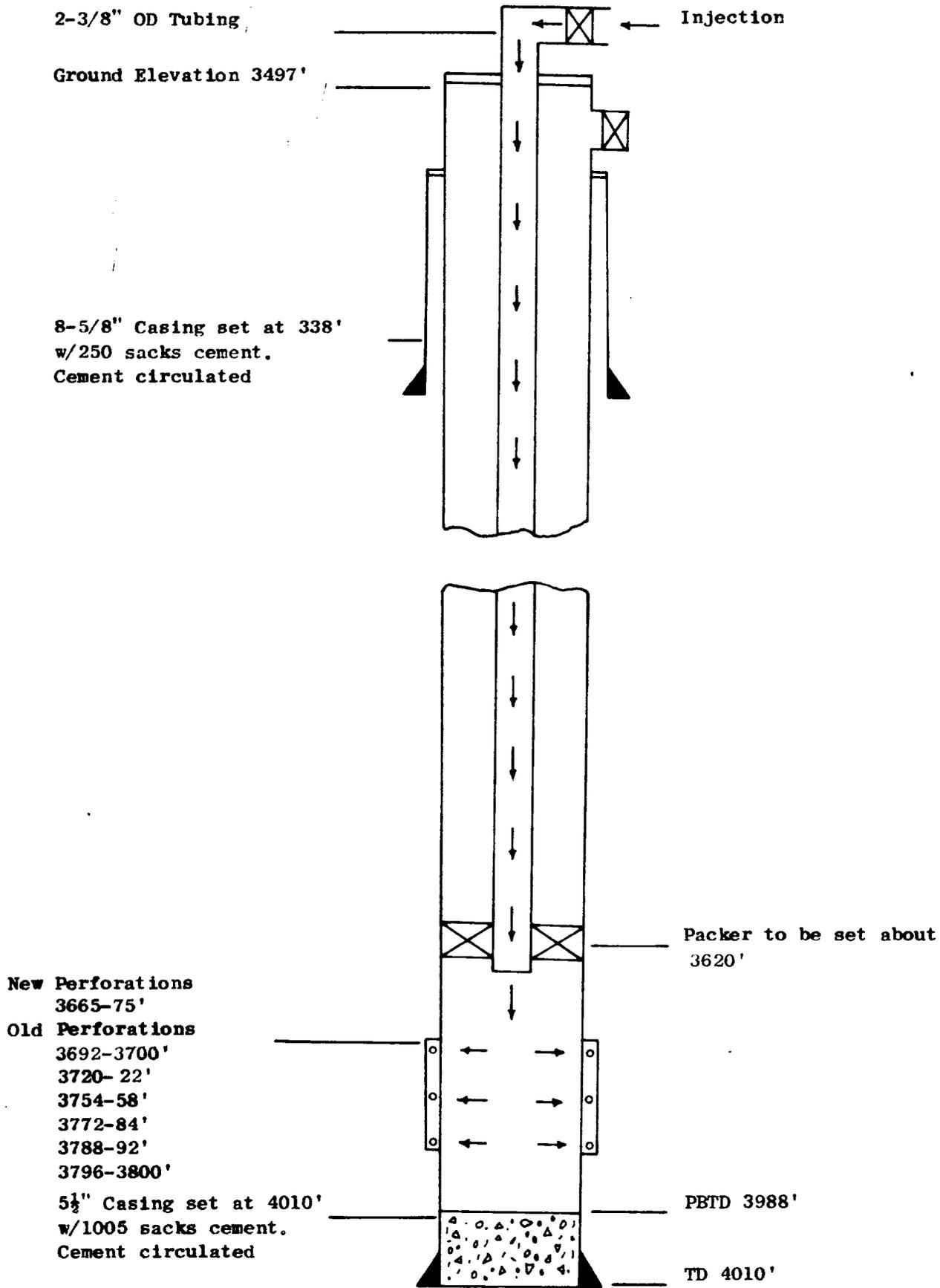
5 1/2" Casing set at 3768'
w/500 sacks cement.
Top of cement at 1670'
(calculated)



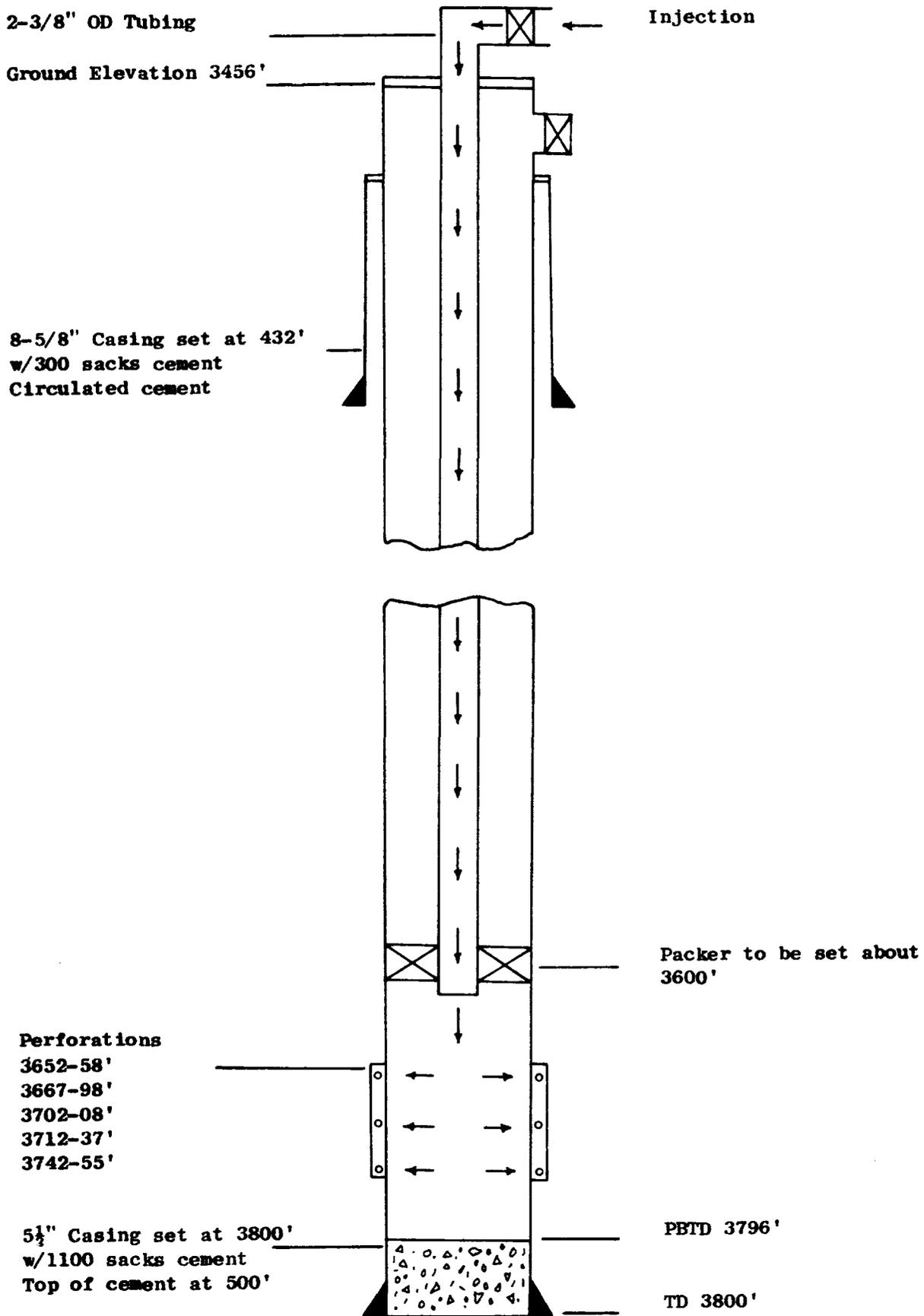
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 37 (ARCo O. L. Jones "B" No. 2)
990' FSL & 2310' FEL Section 34, T-22S, R-36E
Lea County, New Mexico



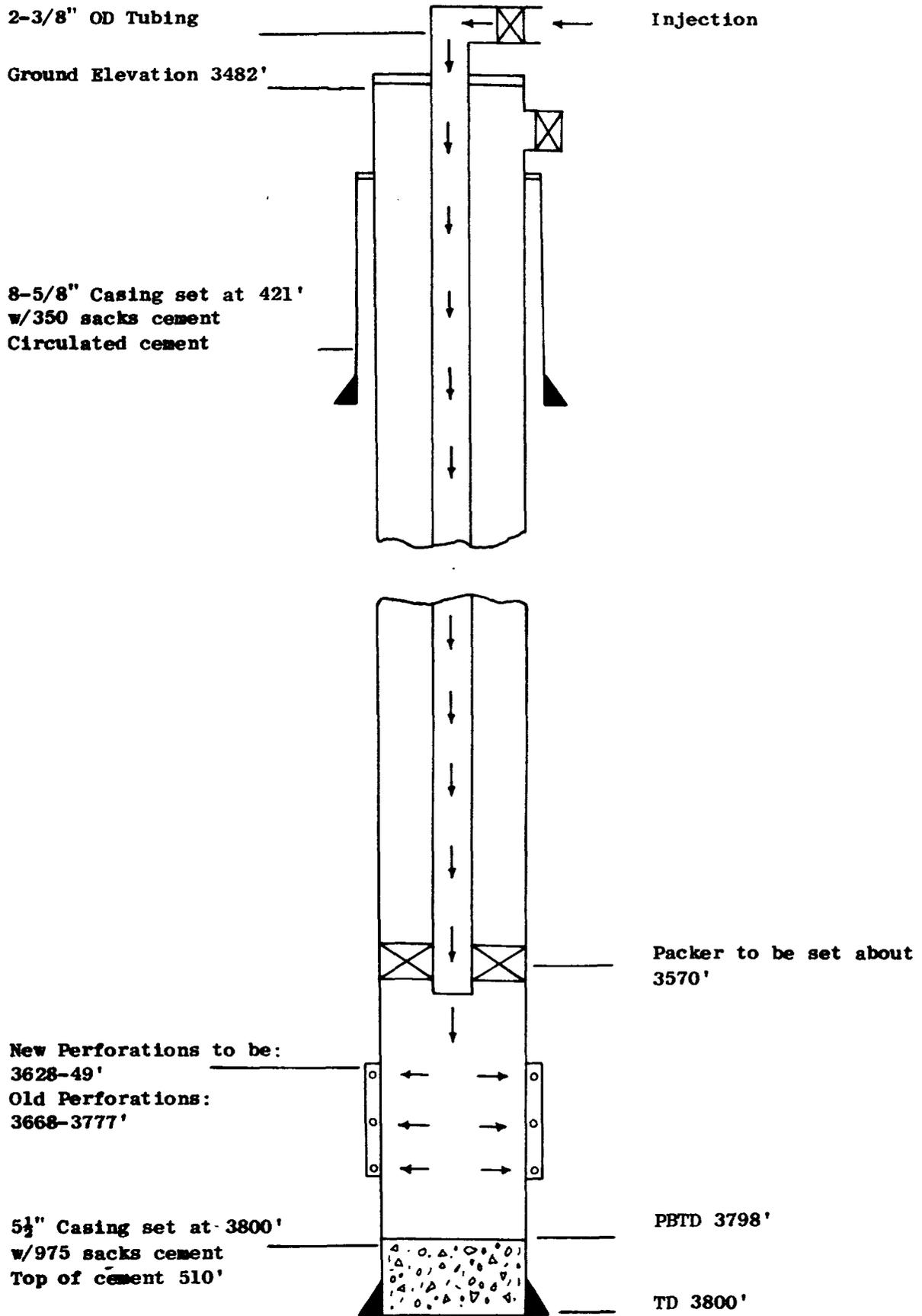
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 39 (Gackle R. Jones No. 4)
 660' FSL & 660' FWL Section 35, T-22S, R-36E
 Lea County, New Mexico



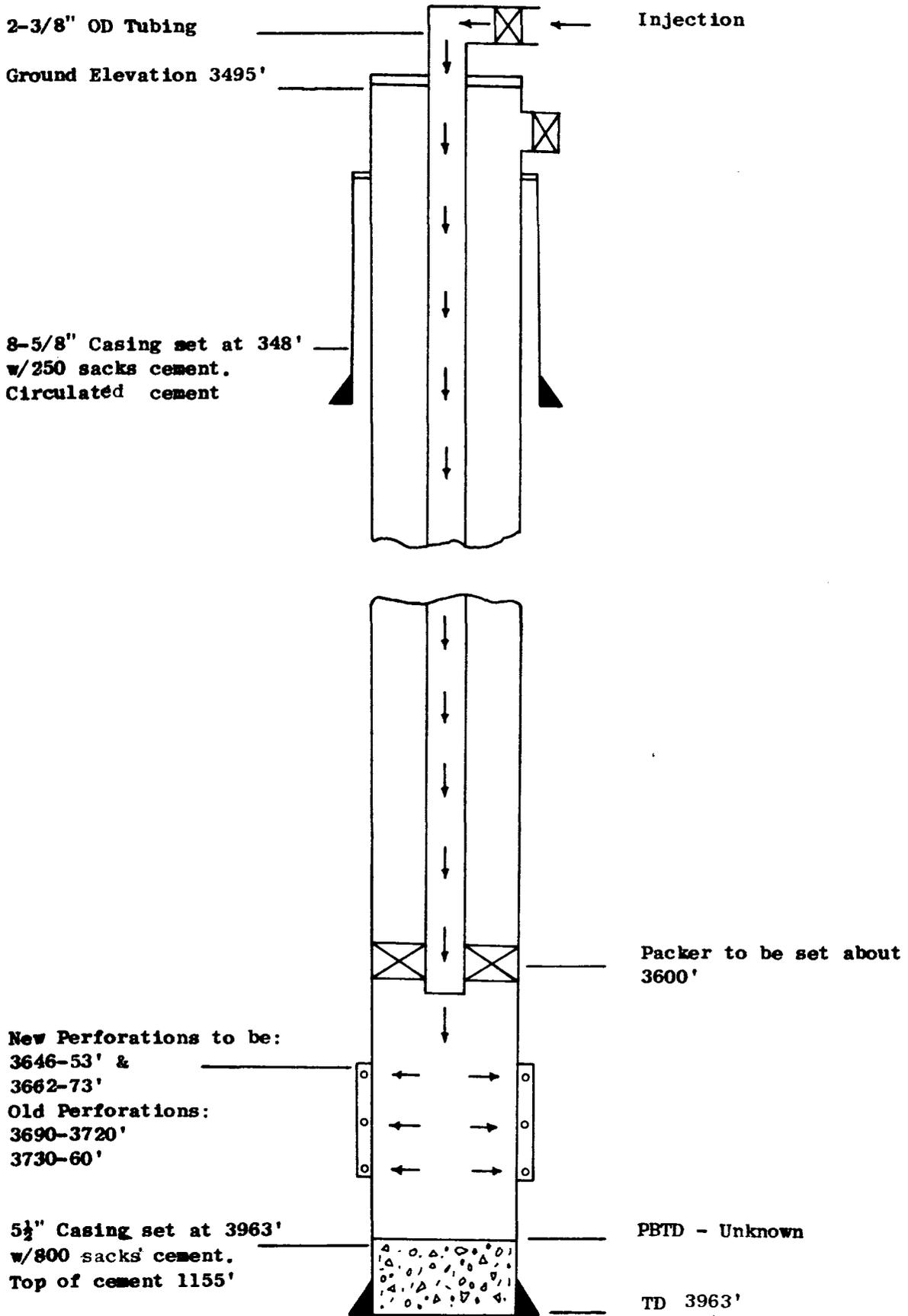
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 41 (Gulf Janda "I" State No. 4)
660' FNL & 660' FEL Section 2, T-23S, R-36E
Lea County, New Mexico



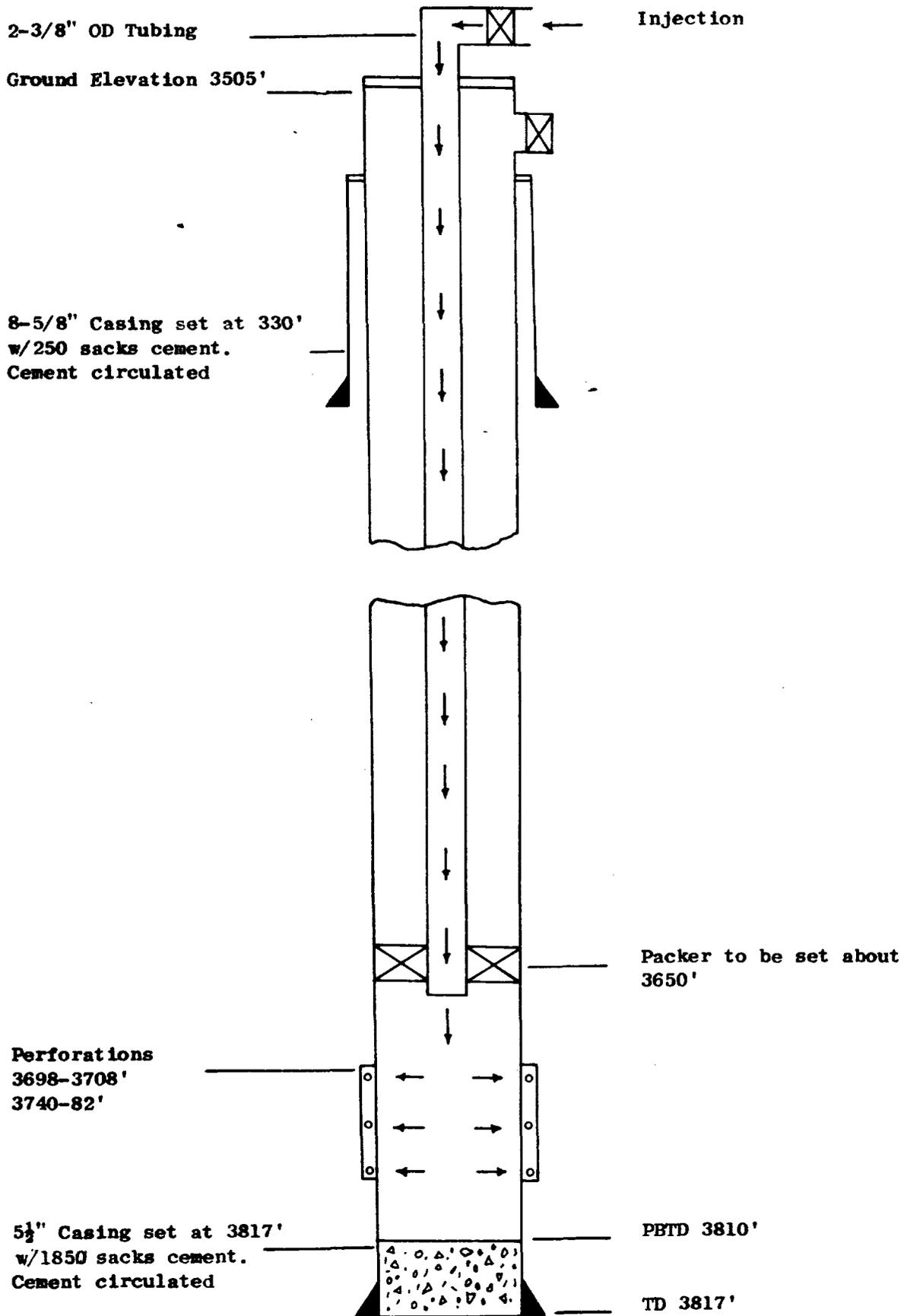
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 43 (Gulf Janda "I" State No. 5)
 660' FNL & 1980' FWL Section 2, T-23S, R-36E
 Lea County, New Mexico



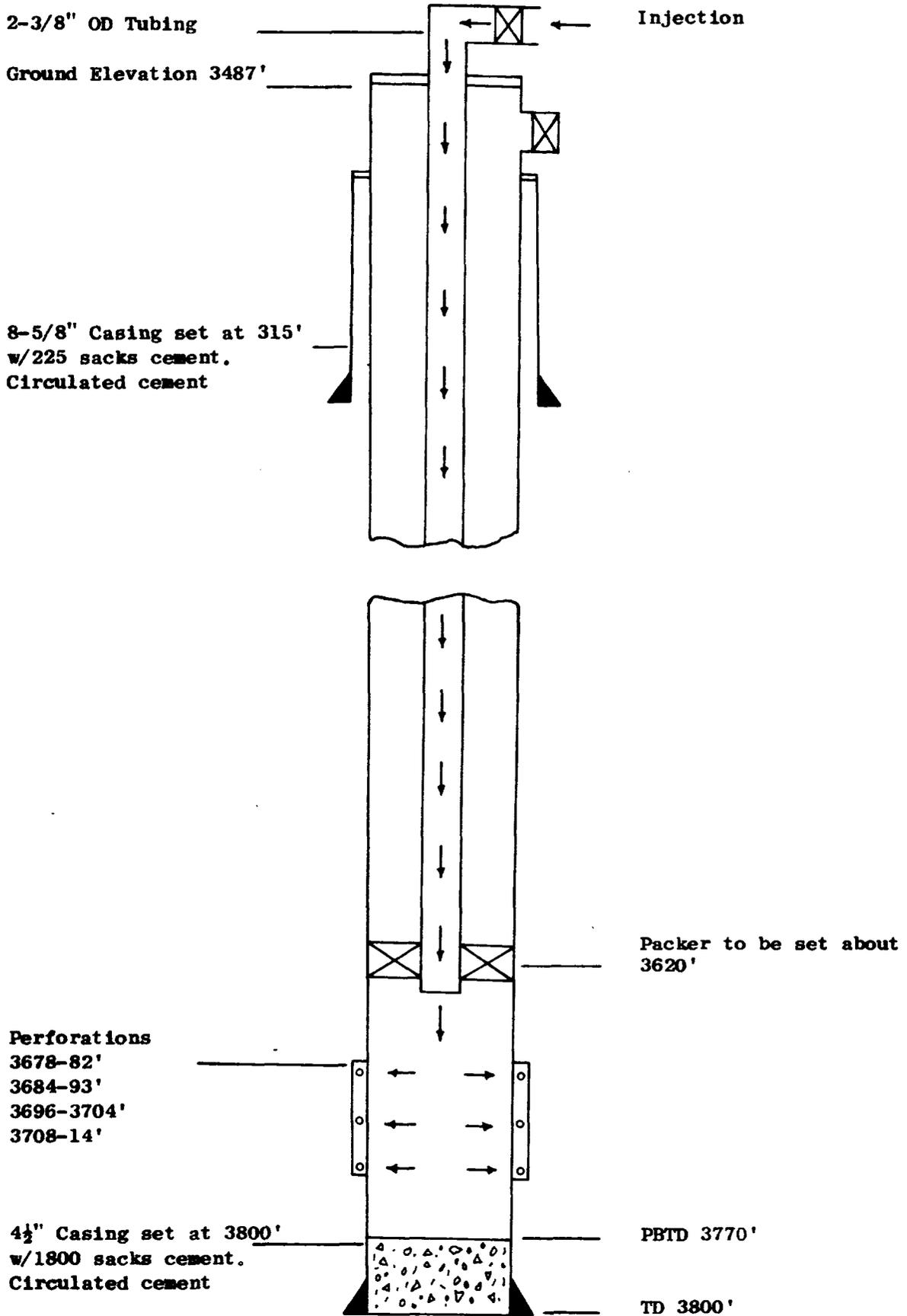
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 45 (Gackle Sinclair State "B" No. 7)
 660' FNL & 660' FEL Section 3, T-23S, R-36E
 Lea County, New Mexico



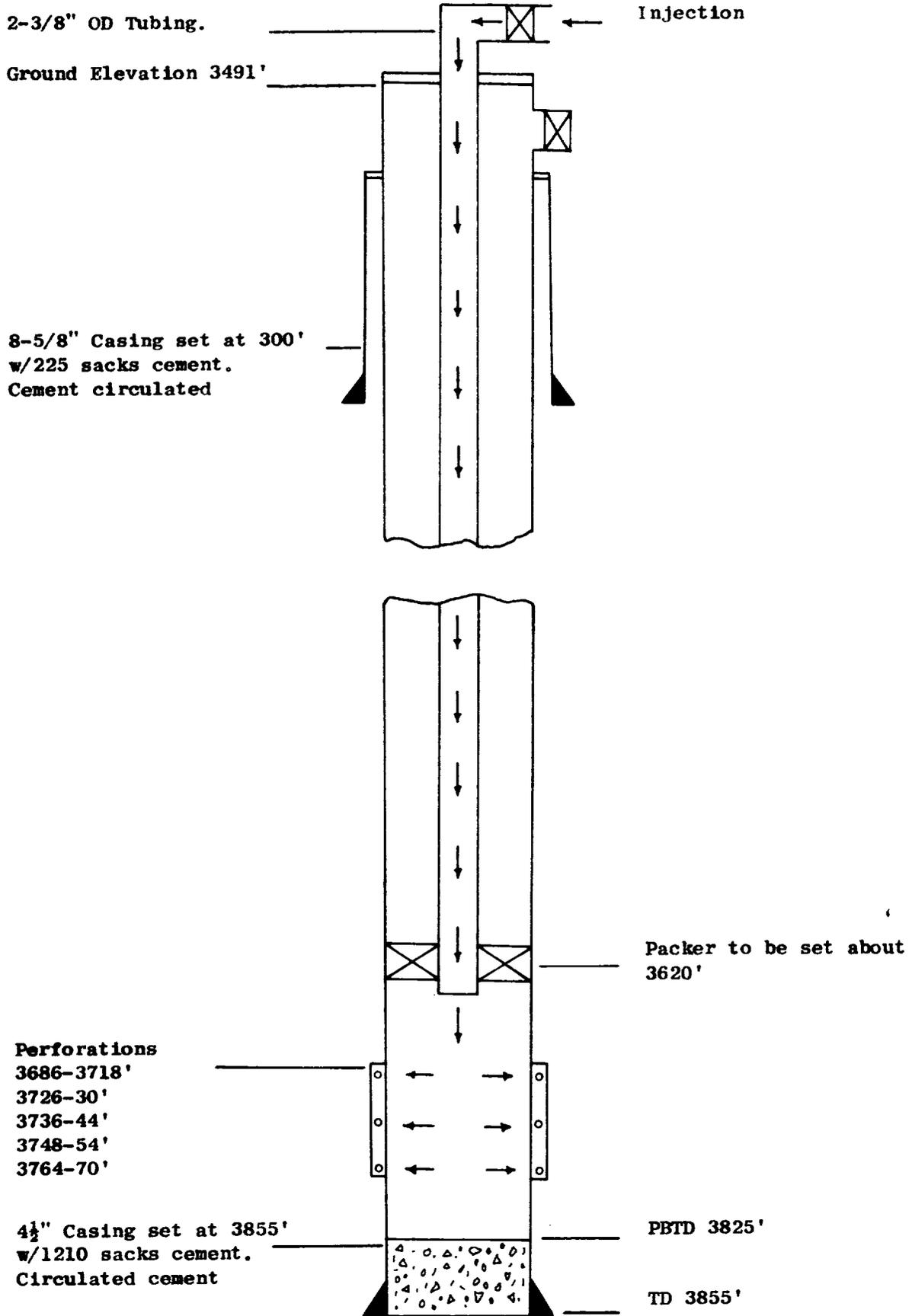
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 47 (Gackle Sinclair State "B" No. 6)
 660' FNL & 2310' FWL Section 3, T-23S, R-36E
 Lea County, New Mexico



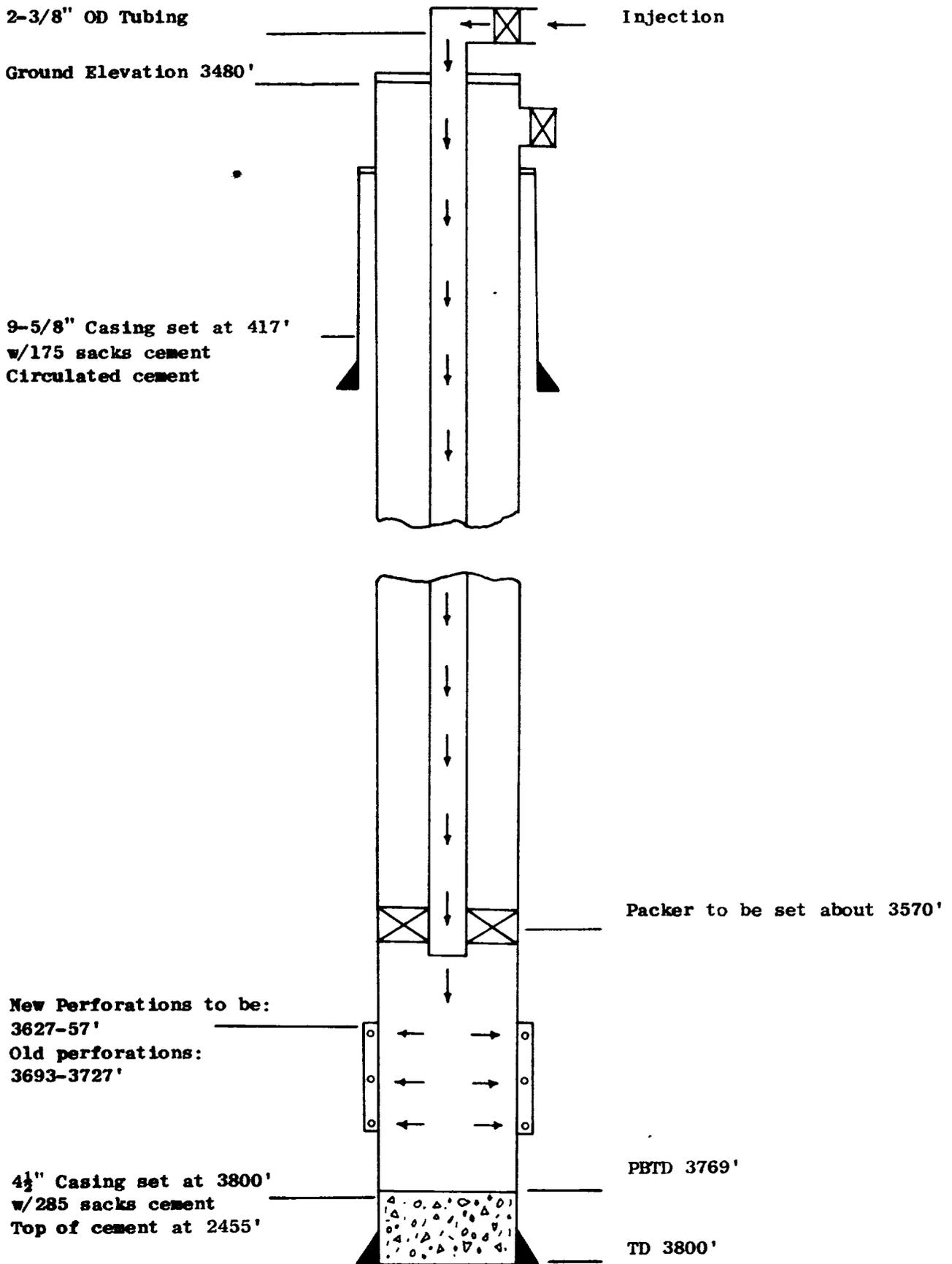
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 49 (Gackle Sinclair State "B" No. 9)
 1980' FNL & 660' FWL Section 3, T-23S, R-36E
 Lea County, New Mexico



ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 51 (Gackle Sinclair State "B" No. 11)
 1980' FNL & 1980' FEL Section 3, T-23S, R-36E
 Lea County, New Mexico



ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Unit Well No. 53 (Gulf Janda "I" State No. 10)
 1980' FNL & 660' FWL Section 2, T-23S, R-36E
 Lea County, New Mexico



ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 55 (Janda "I" State No. 8)
1980' FNL & 1980' FEL Section 2, T-23S, R-36E
Lea County, New Mexico

