

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

5016 o c c

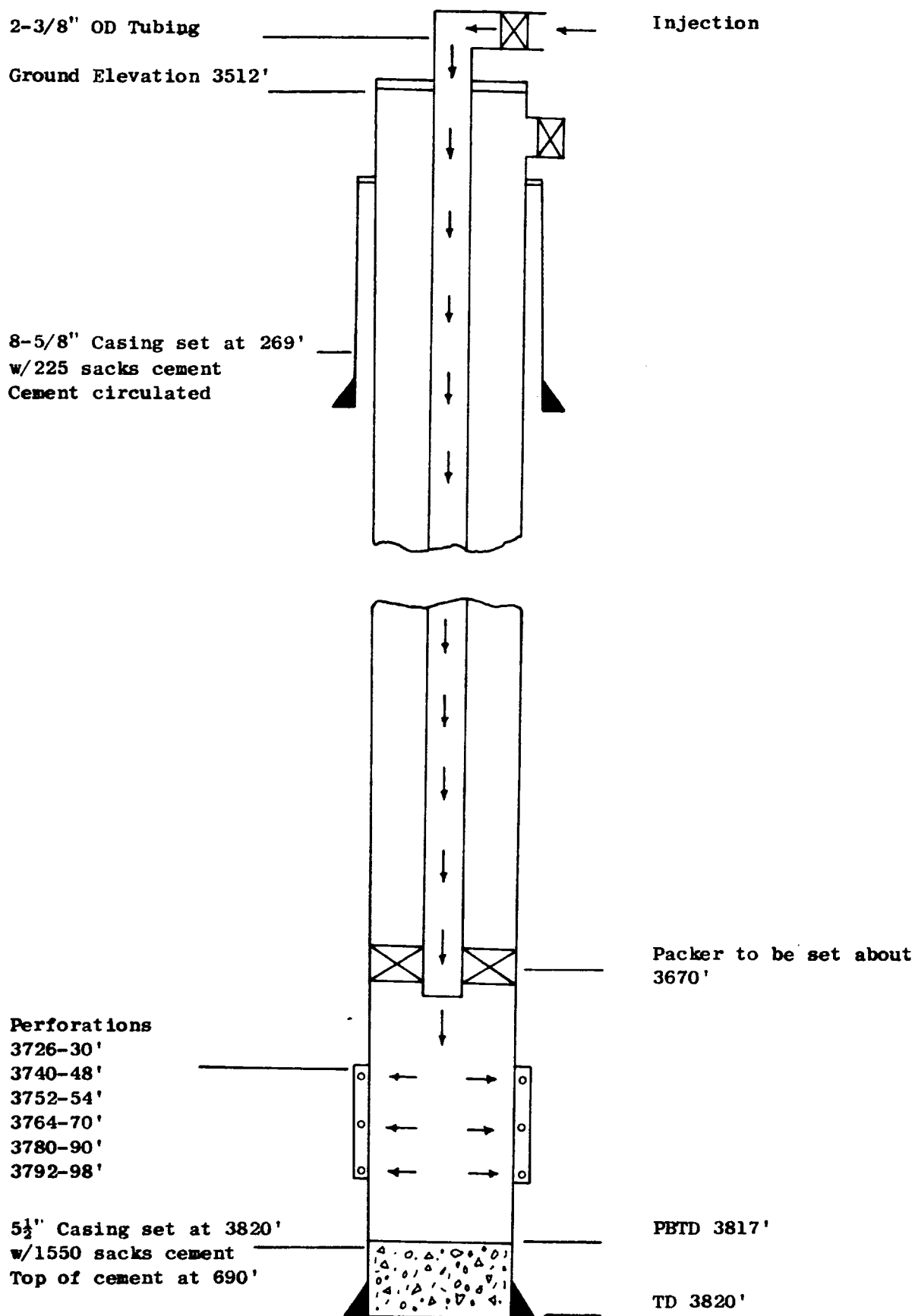
DATE APPROVED	OCC CASE NO. 5017 OCC ORDER NO. R-4584 and R-4589	EFFECTIVE DATE	TOTAL ACREAGE	STATE	FEDERAL	INDIAN-FEE	SEGREGATION		TERM
							CLAUSE	Yes	
Commissioner 7-26-73	July 13, 1973	8-1-73	2,262.36	662.36	-0-	1,600.00			5yrs.

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

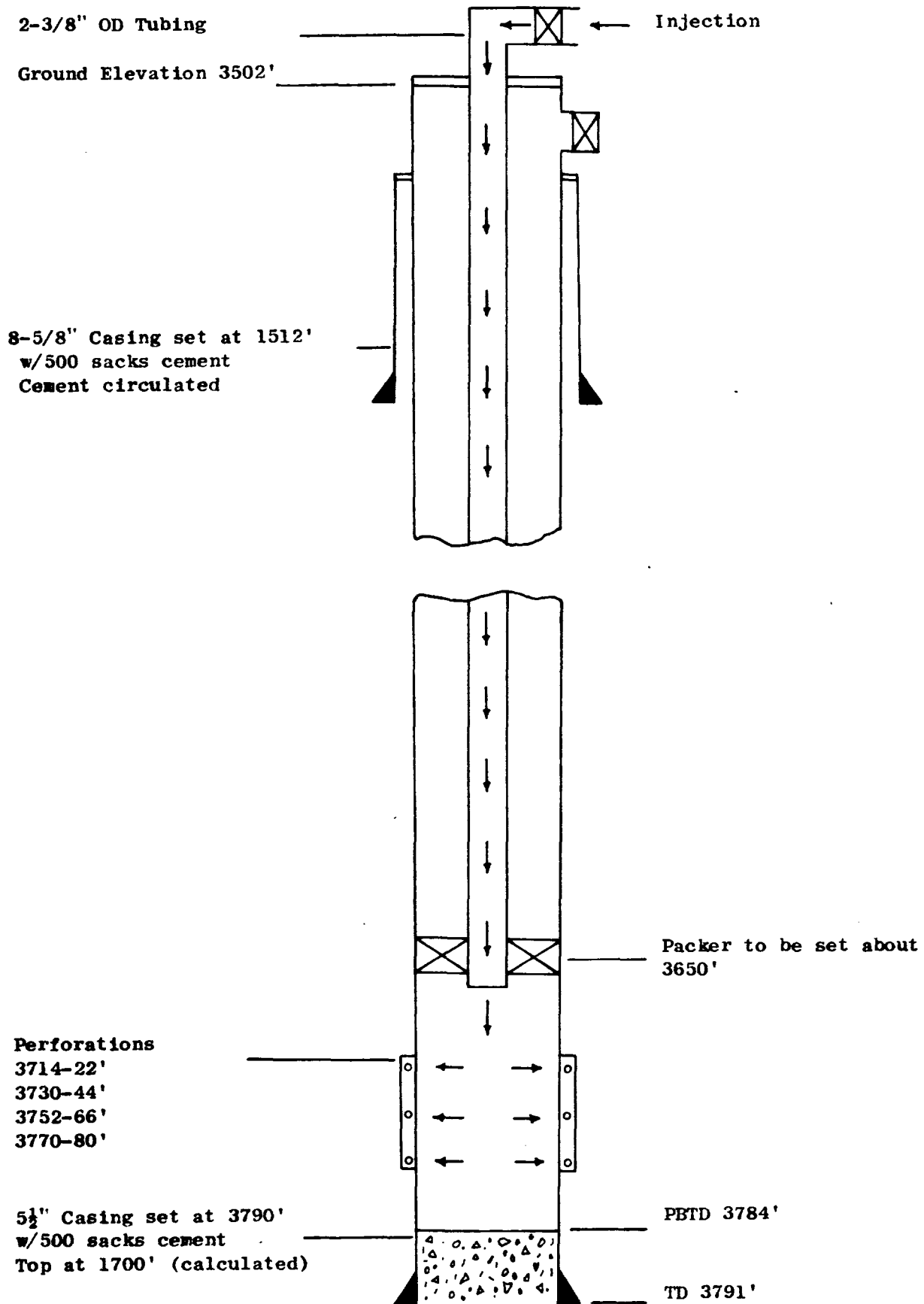
Unit Name SEVEN RIVERS QUEEN UNIT (WATERFLOOD)
Operator Atlantic Richfield Company
County Lea County, New Mexico

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

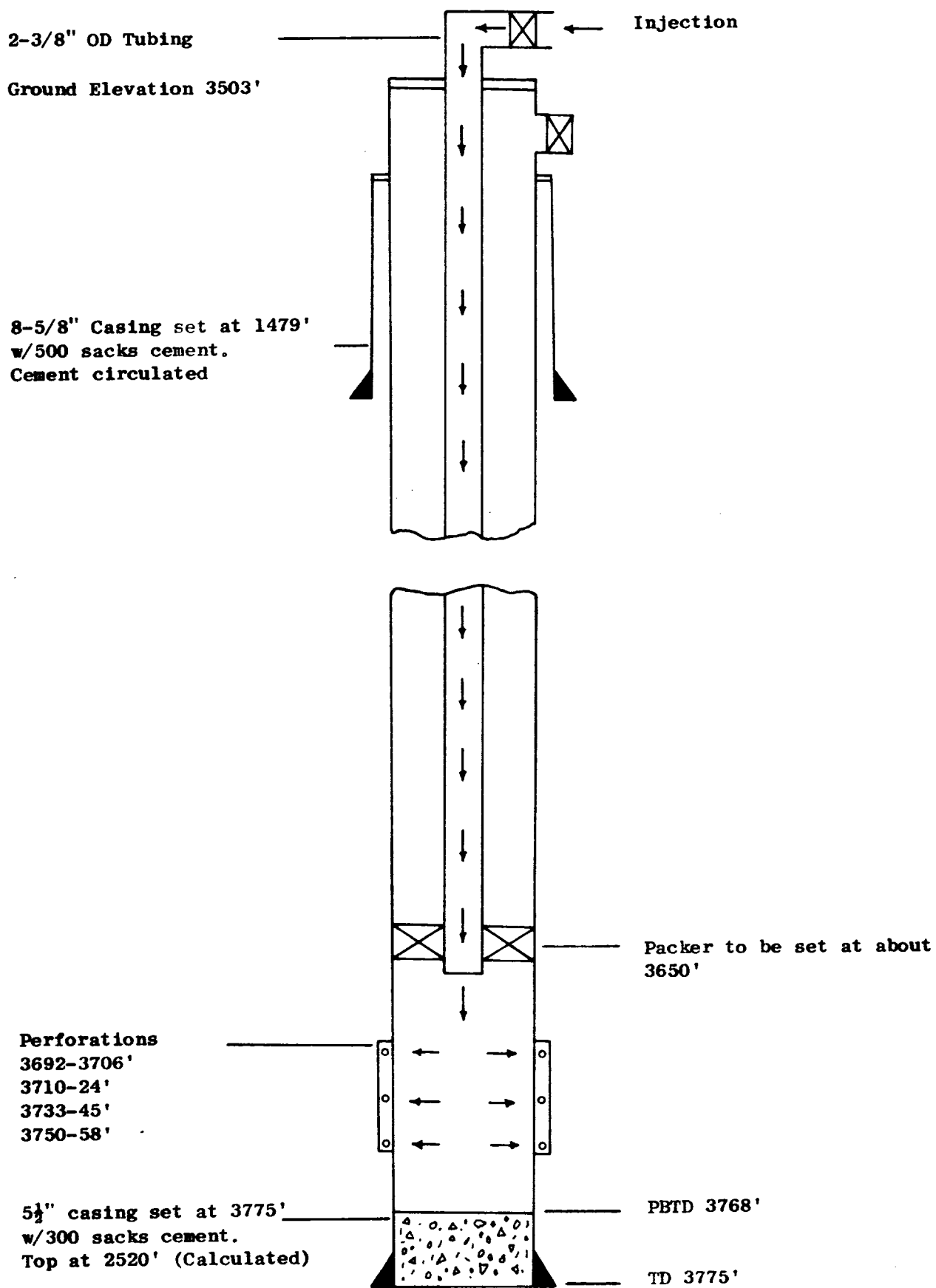
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 1 (Gulf A. L. Christmas "A" No. 6)
330' FNL & 990' FEL Section 27, T-22S, R-36E
Lea County, New Mexico



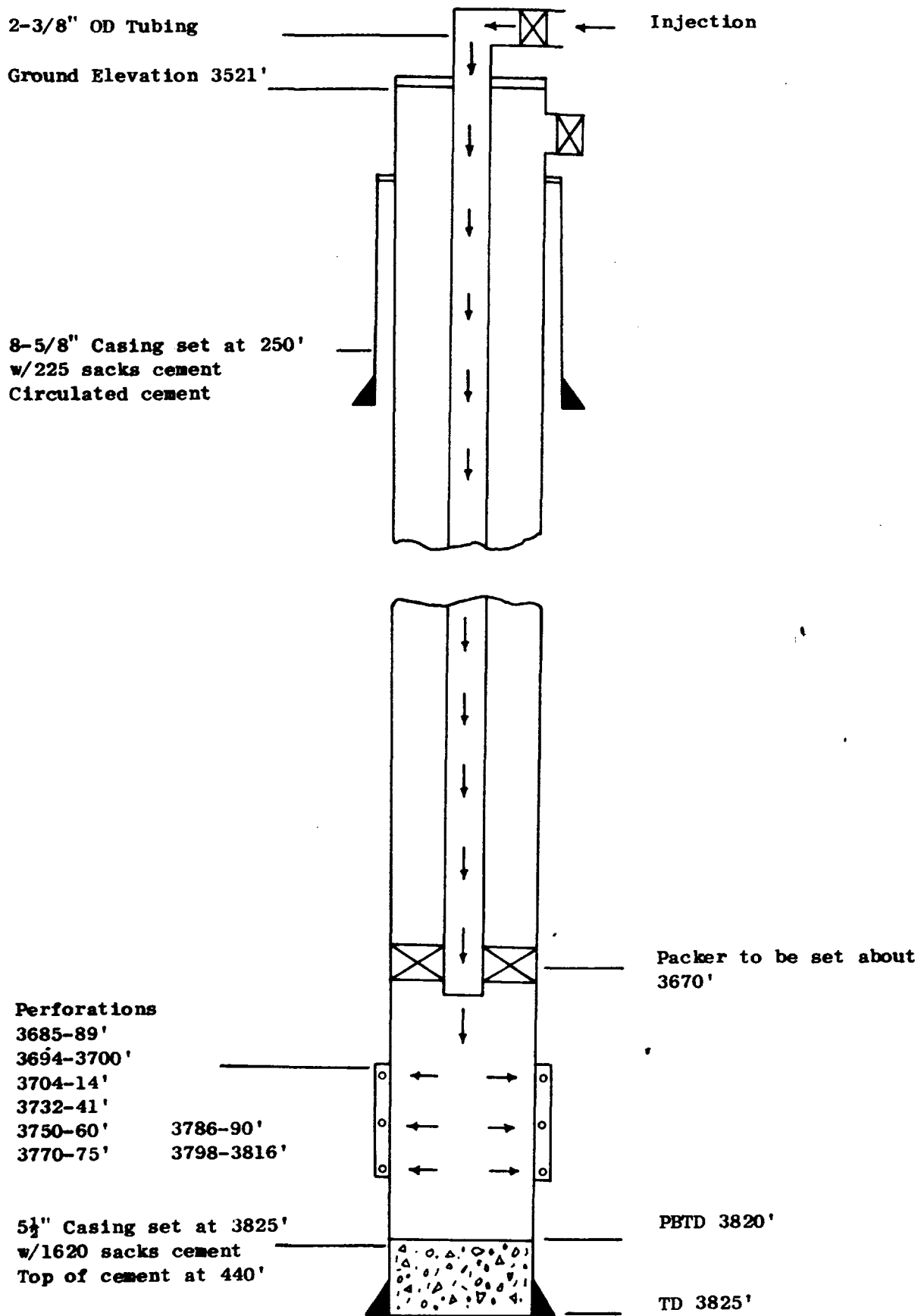
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 3 (ARCo Shipley "A" No. 5)
 660' FNL & 2080' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



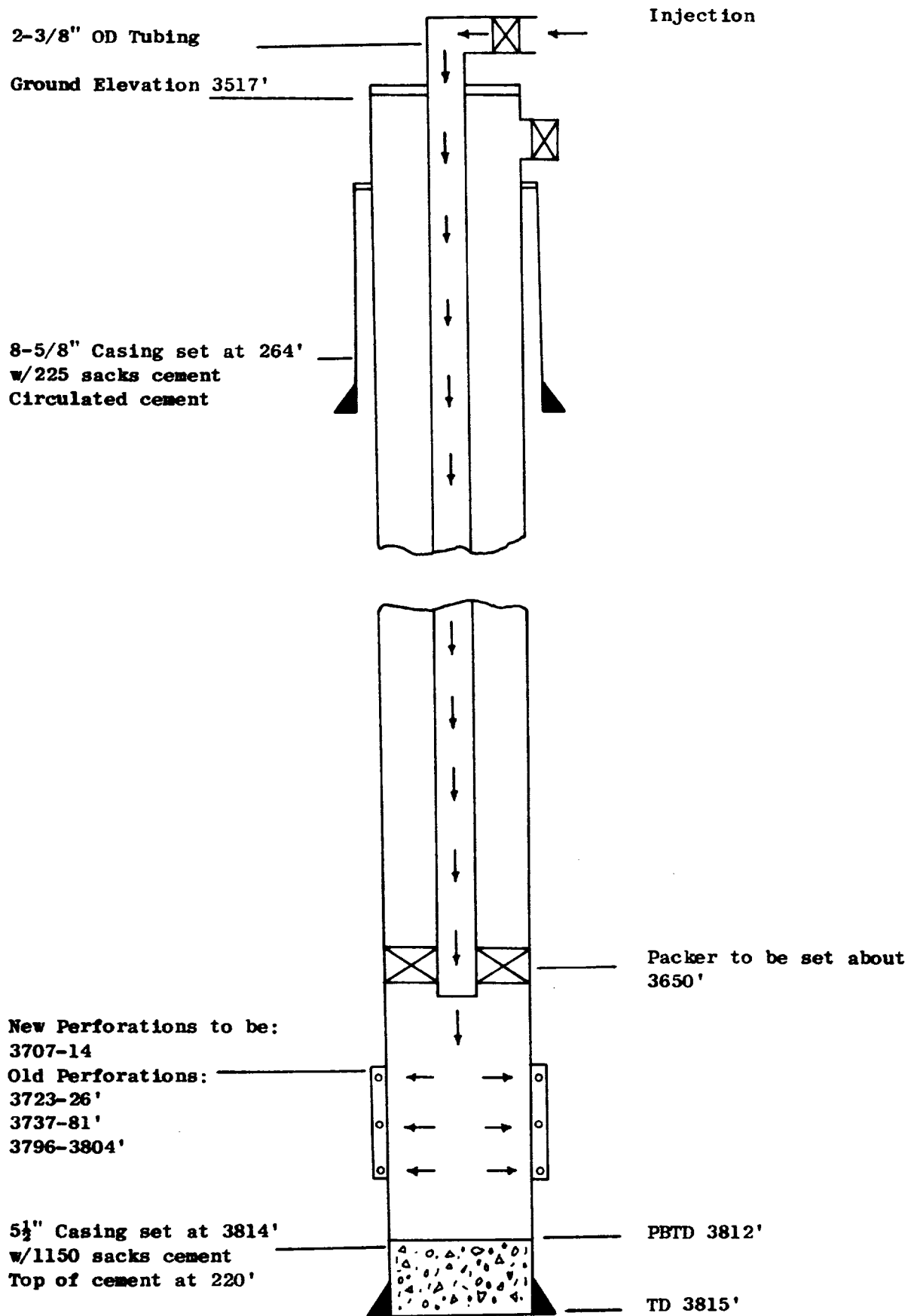
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 5 (ARCO Shipley "A" No. 3)
 1980' FNL & 660' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



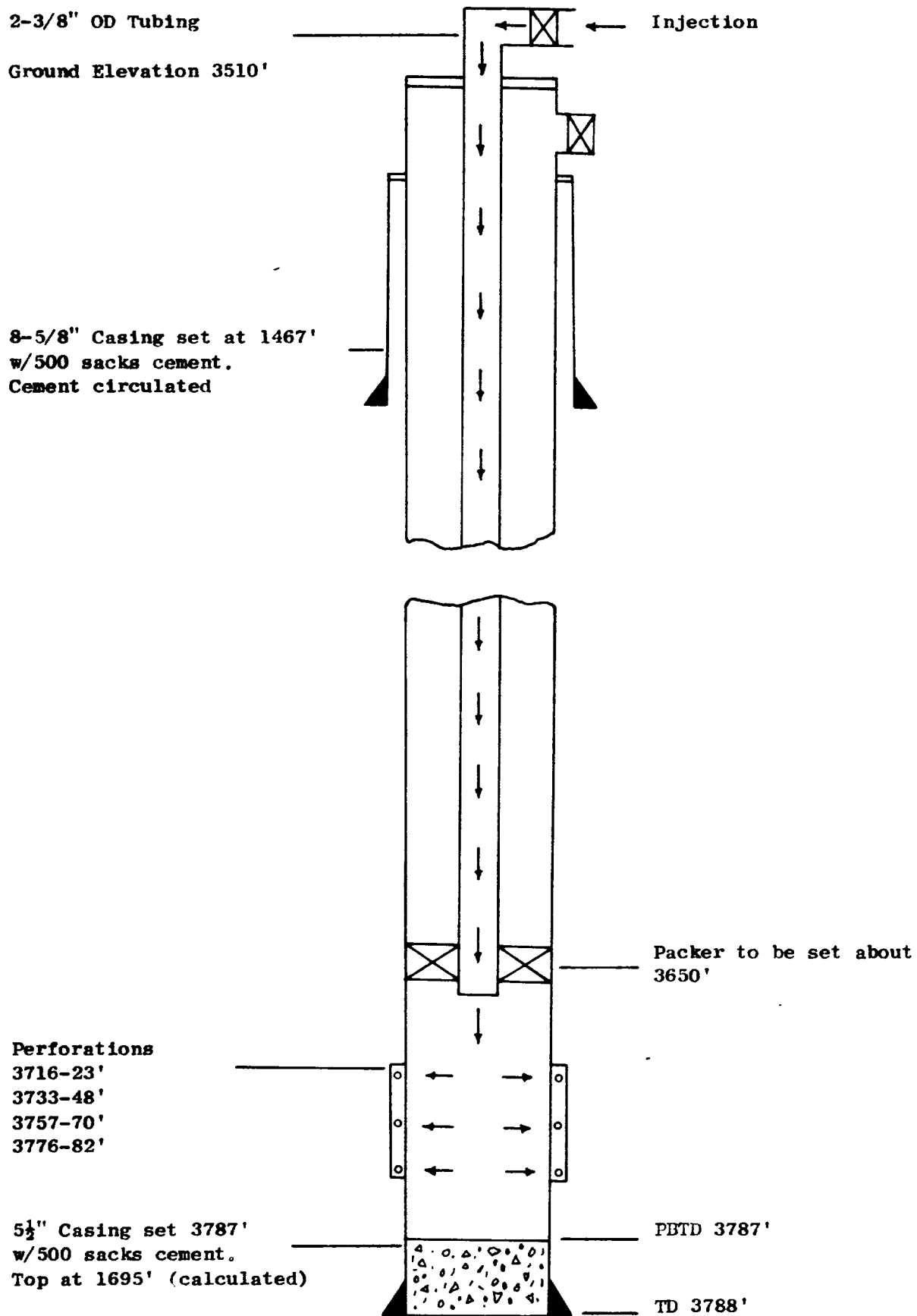
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 7 (Gulf A. L. Christmas "A" No. 4)
 1980' FNL & 1980' FEL Section 27, T-22S, R-36E
 Lea County, New Mexico



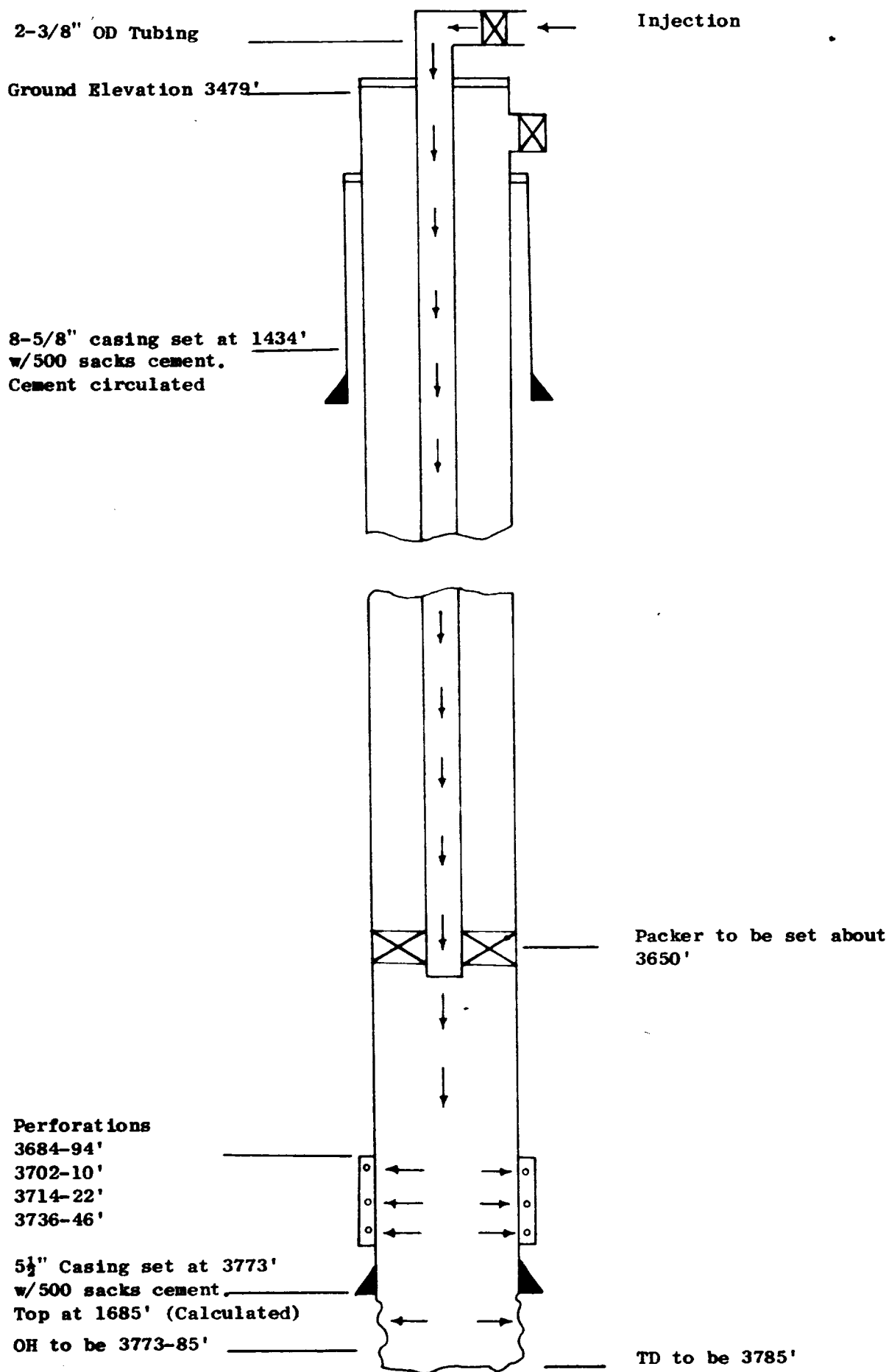
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 9 (A. L. Christmas "A" No. 8)
 1980' FSL & 660' FEL Section 27, T-22S, R-36E
 Lea County, New Mexico



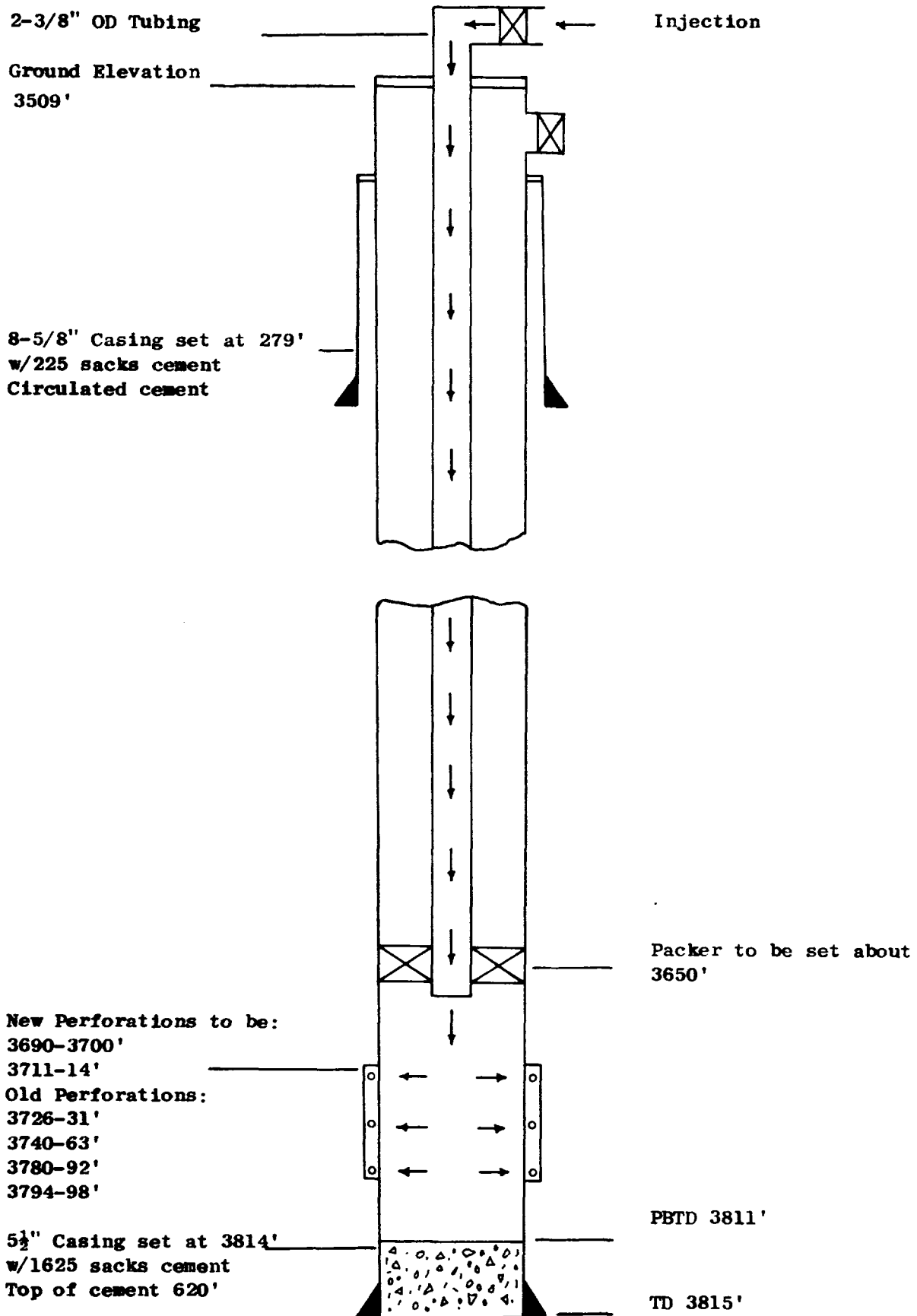
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 11 (ARCo Mattie Shipley No. 3)
 1980' FSL & 1980' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



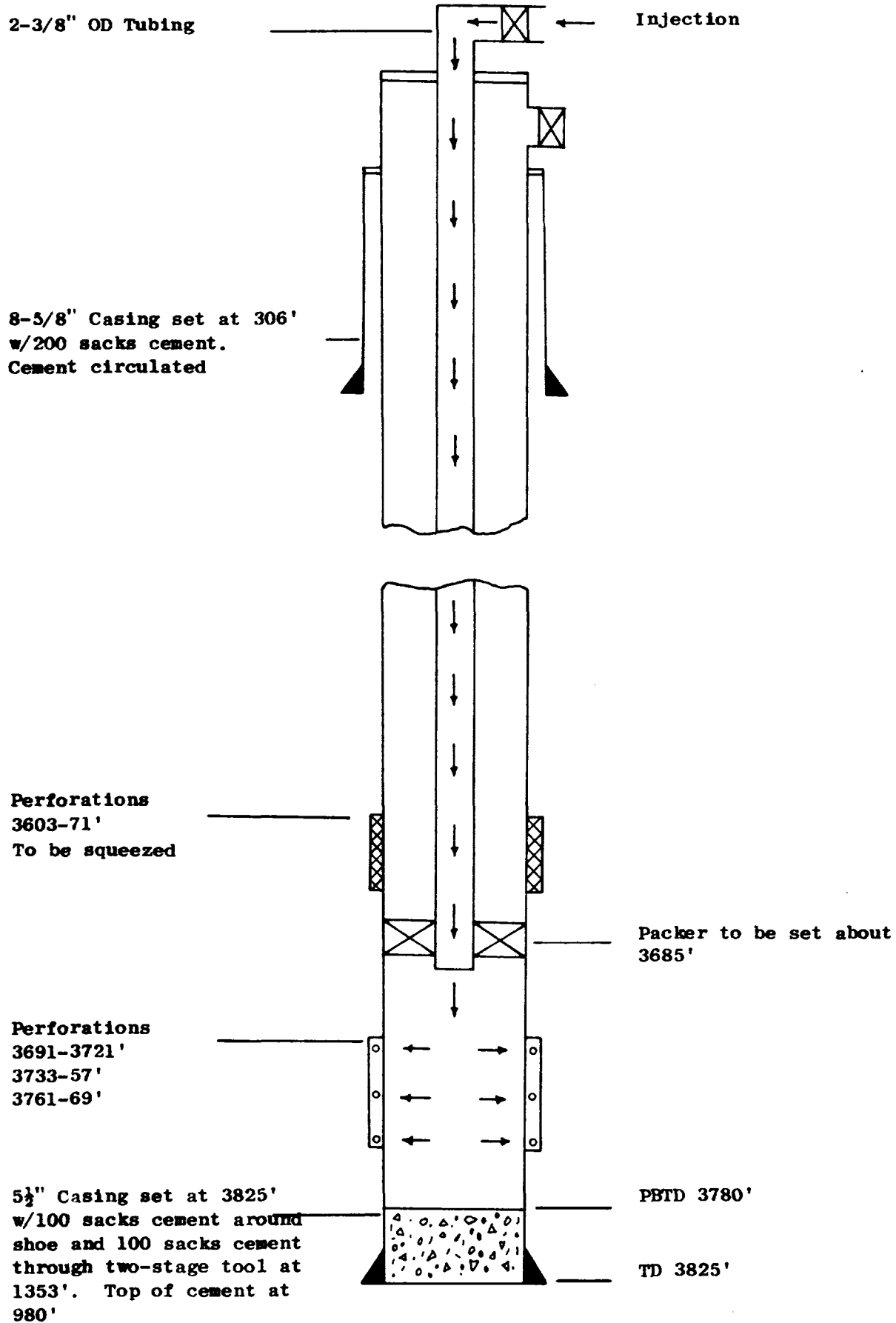
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 13 (ARCo Mattie Shipley No. 4)
 660' FSL & 660' FWL Section 27, T-22S, R-36E
 Lea County, New Mexico



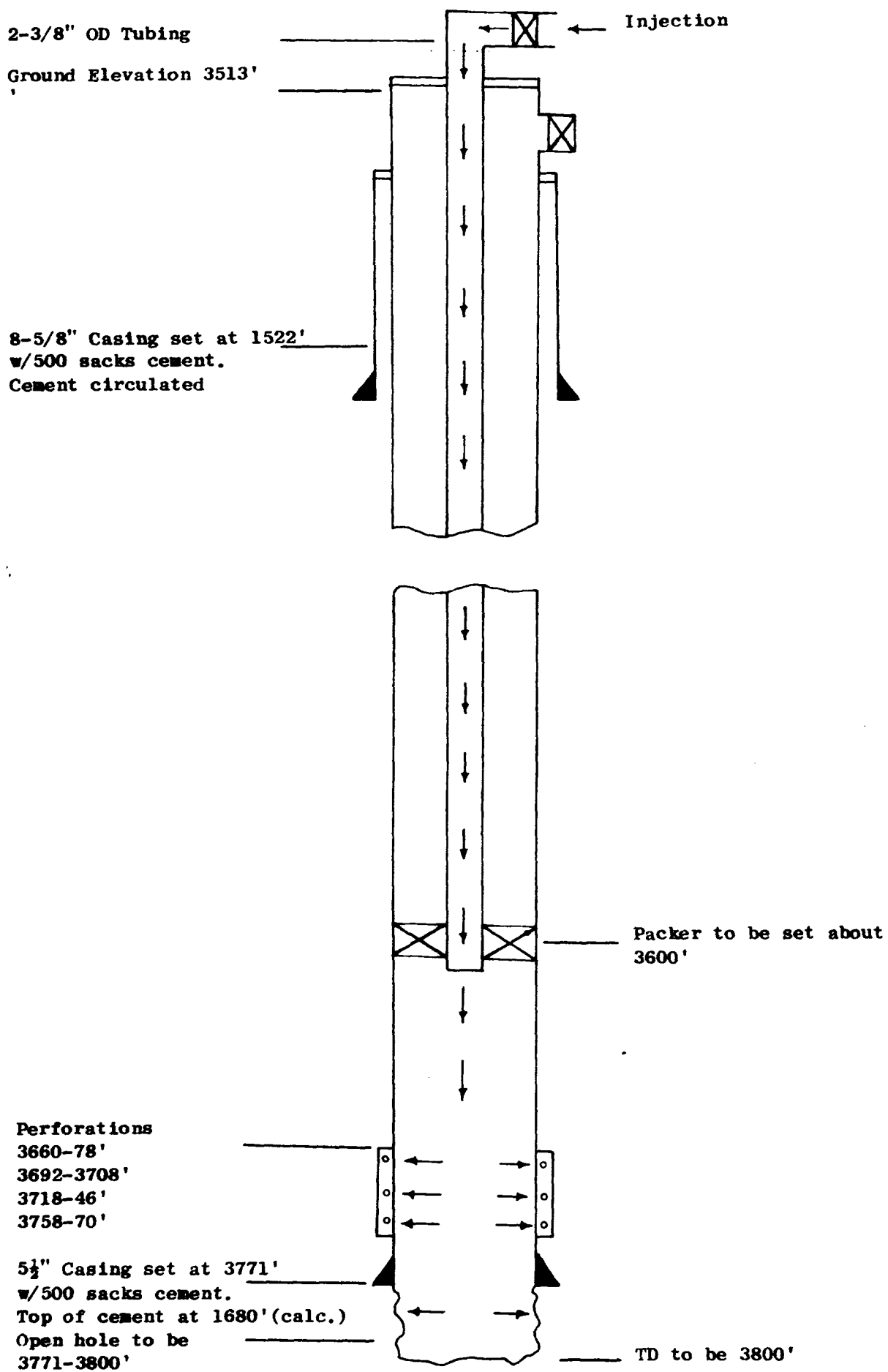
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 15 (Gulf A. L. Christmas "A" No. 7)
660' FSL & 1980' FEL Section 27, T-22S, R-36E
Lea County, New Mexico



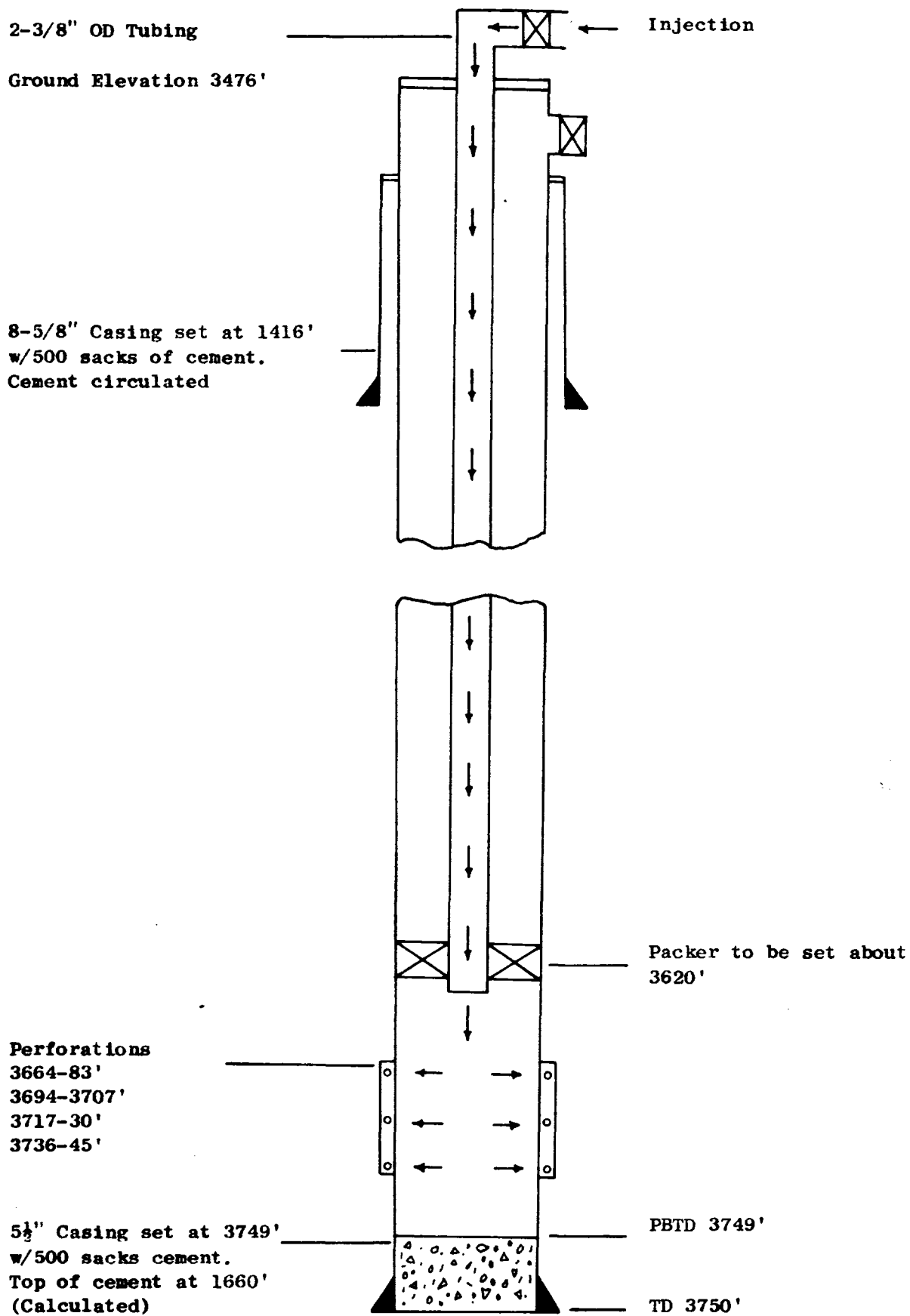
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 17 (ARCo R. M. Jones No. 3)
660' FNL & 1980' FWL Section 35, T-22S, R-36E
Lea County, New Mexico



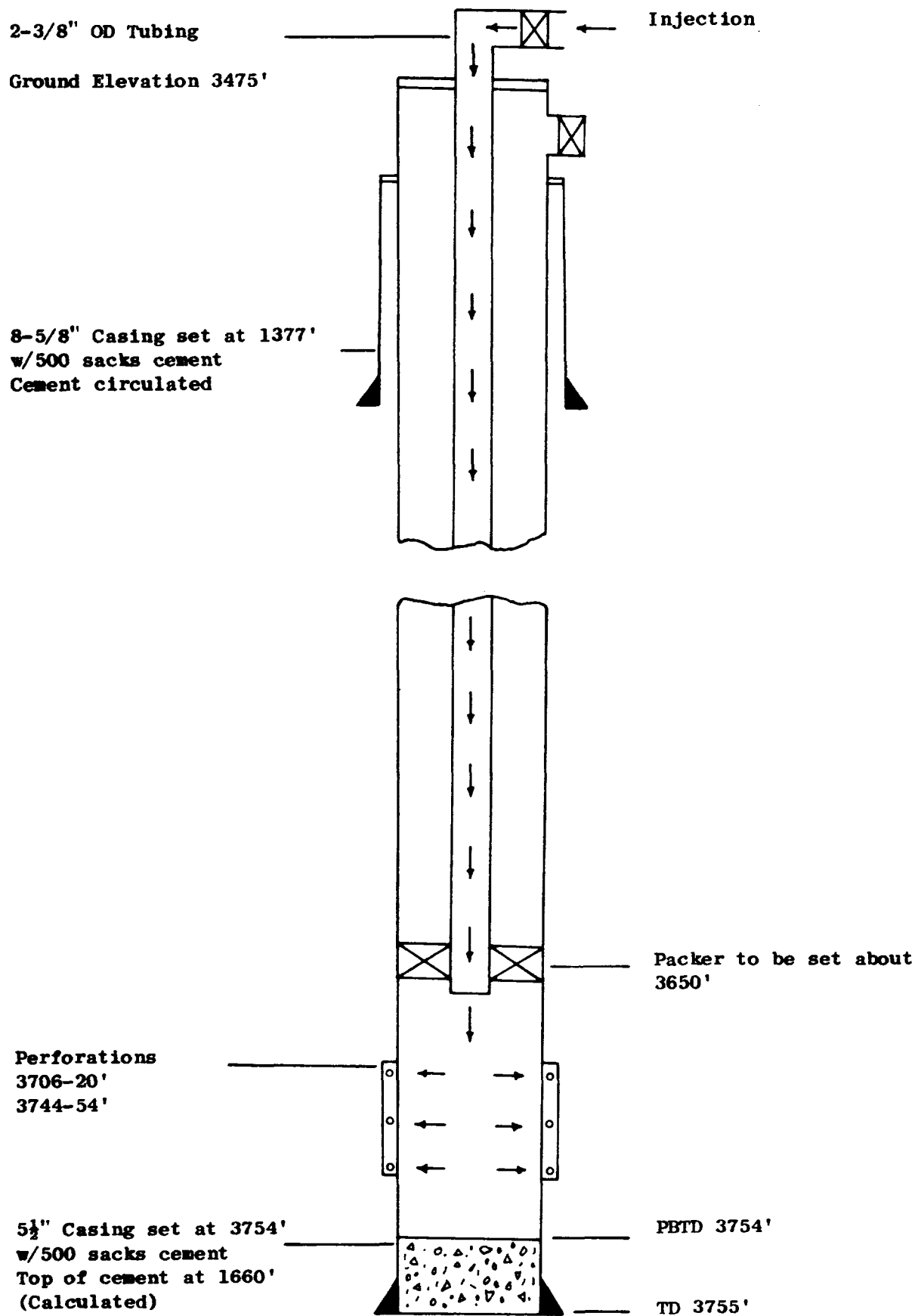
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 19 (ARCo C. Jones No. 6)
 660' FNL & 660' FEL Section 34, T-22S, R-36E
 Lea County, New Mexico



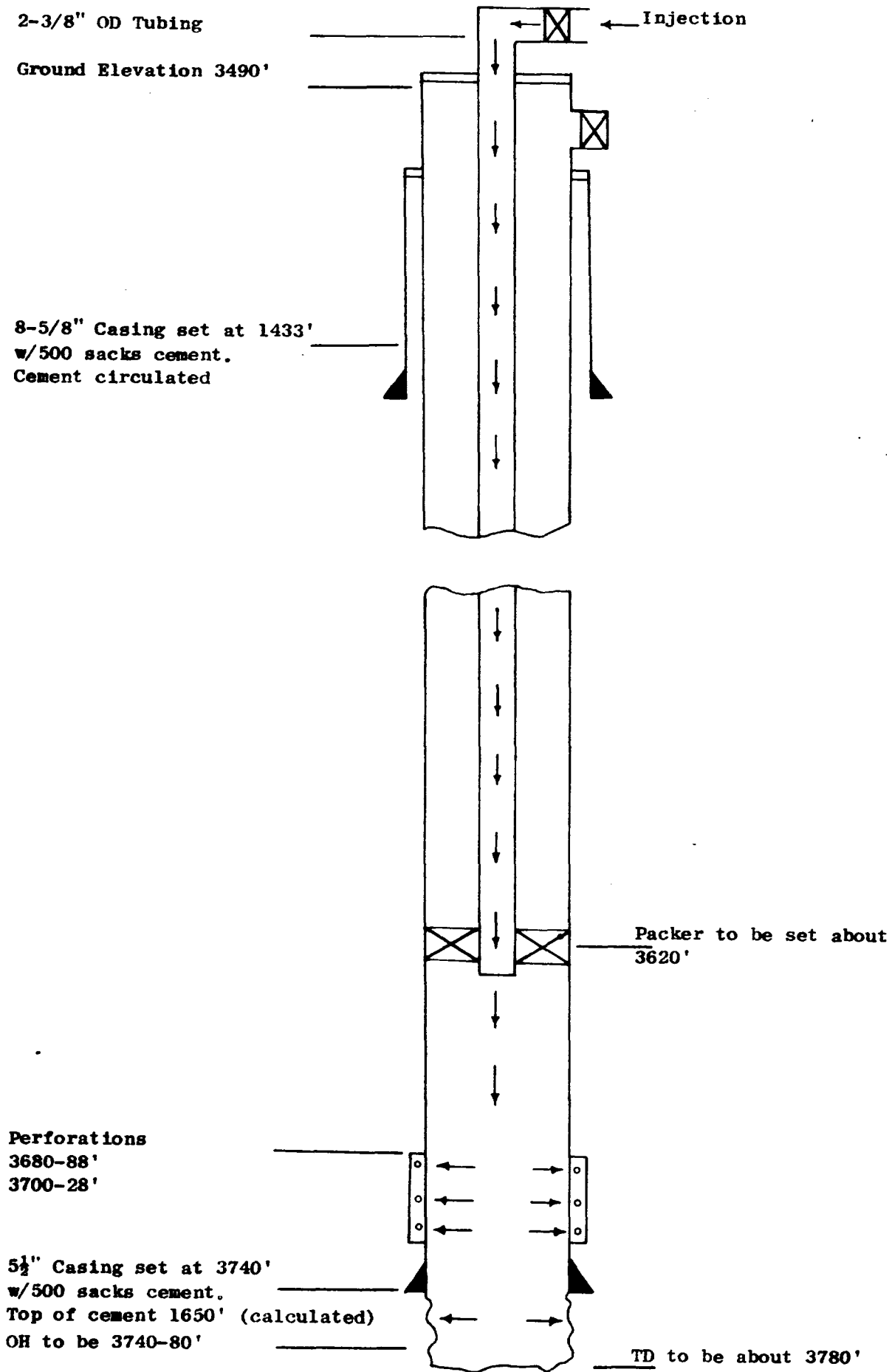
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 21 (ARCo C. Jones No. 3)
 660' FNL & 1980' FWL Section 34, T-22S, R-36E
 Lea County, New Mexico



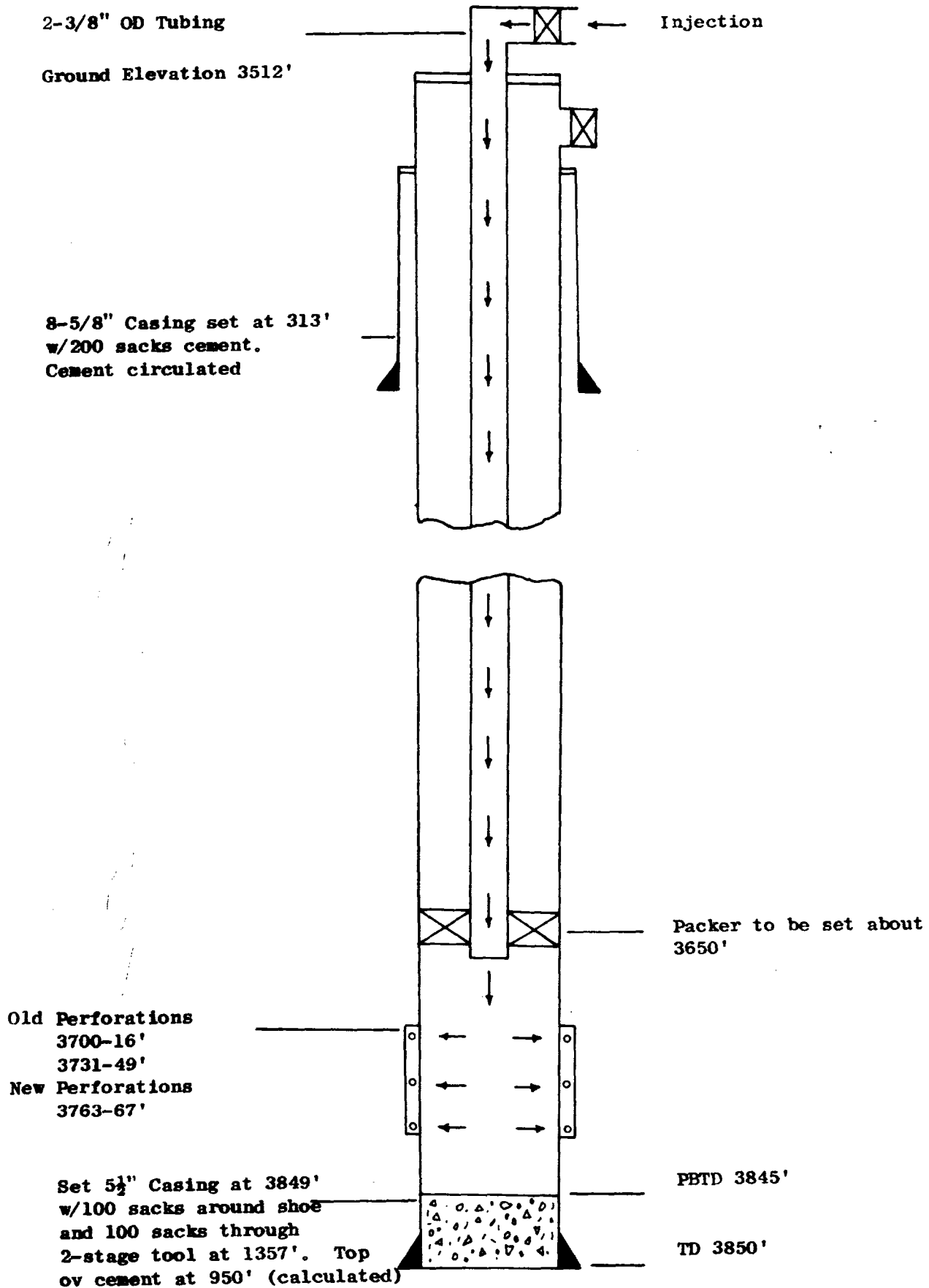
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 23 (ARCo C. Jones No. 9)
 1980' FNL & 660' FWL Section 34, T-22S, R-36E
 Lea County, New Mexico



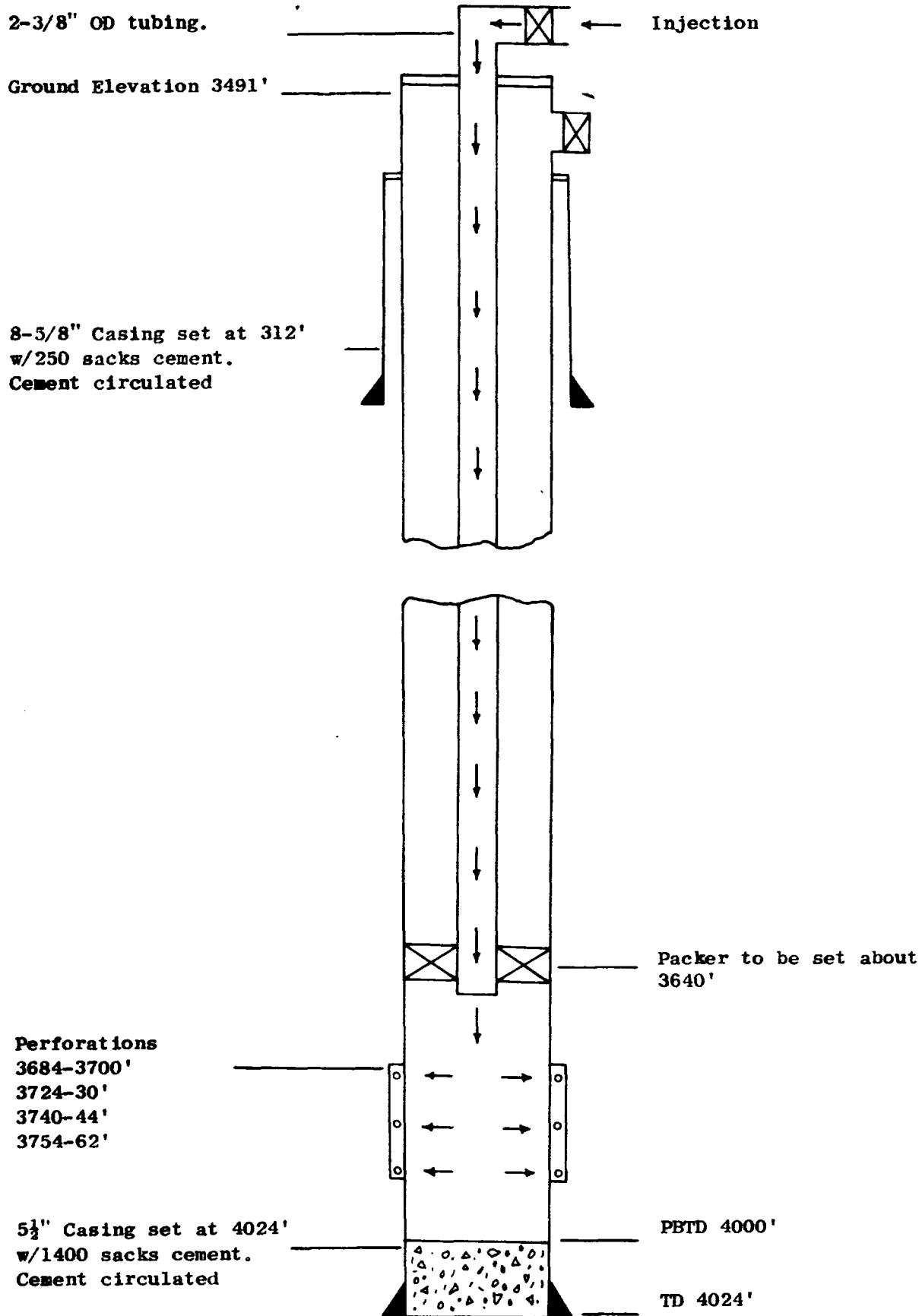
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 25 (ARCo C. Jones No. 8)
 1980' FNL & 1980' FEL Section 34, T-22S, R-36E
 Lea County, New Mexico



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

2-3/8" OD Tubing

Ground Elevation 3512'

8-5/8" Casing set at 308'
w/200 sacks cement.
Cement circulated

Perforations
3515-3638'
To be squeezed

Perforations
3666-72'
3684-3714'

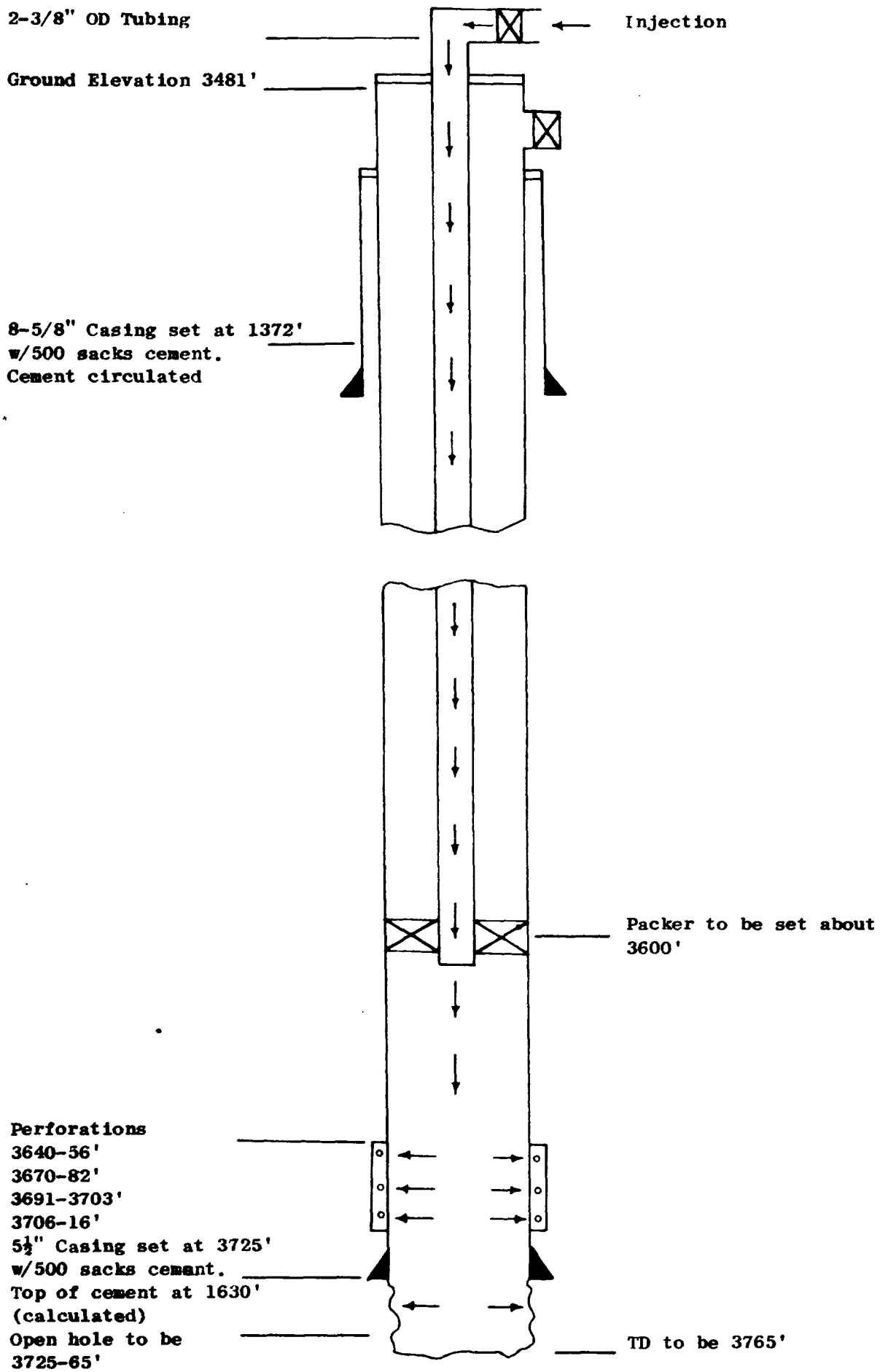
5 1/2" Casing set at 3736'
w/350 sacks cement.
Top of cmt. @ 2270' (calculated)
Open hole to be
3736-80'

Injection

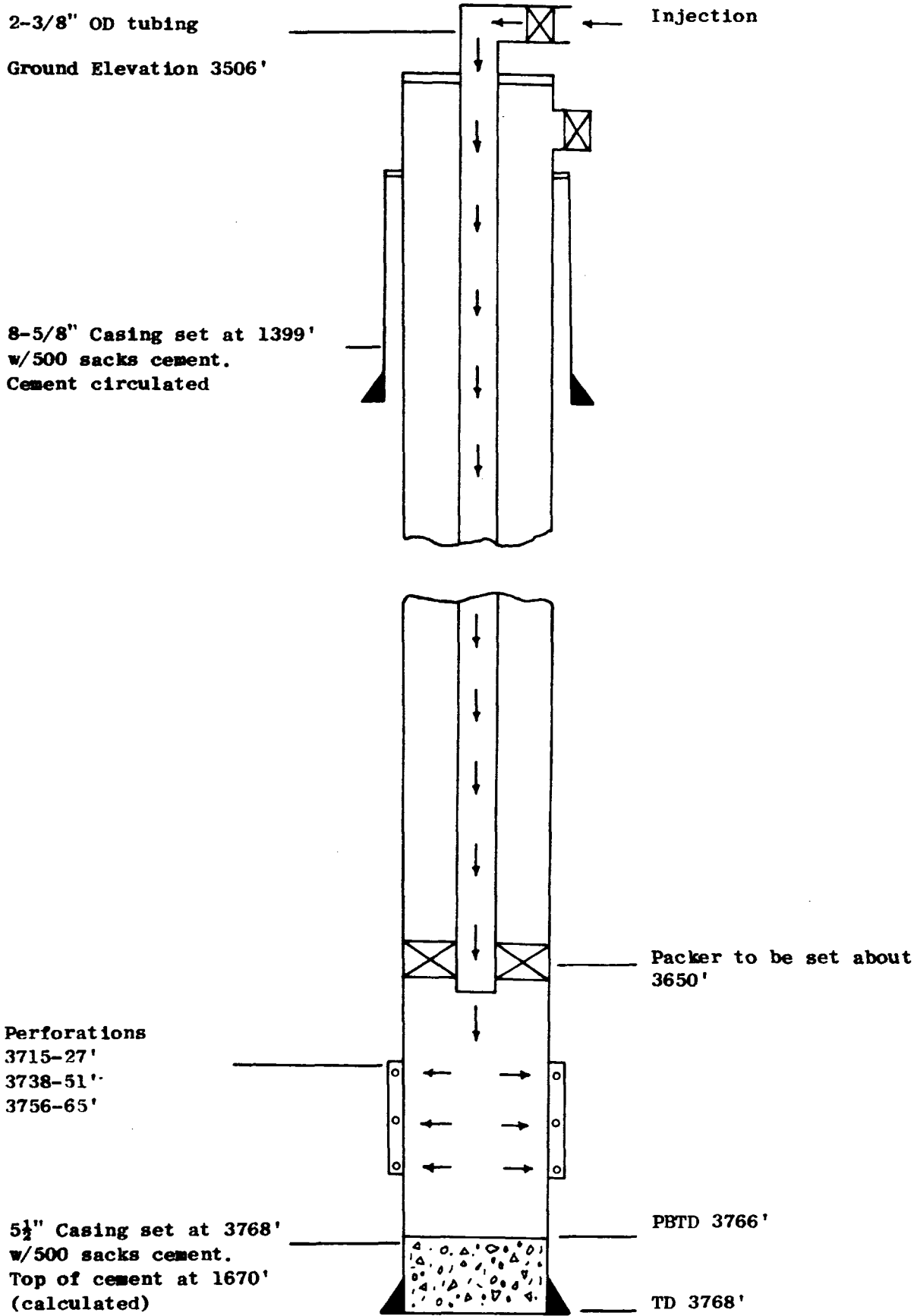
Packer to be set about
3650'

TD to be 3780'

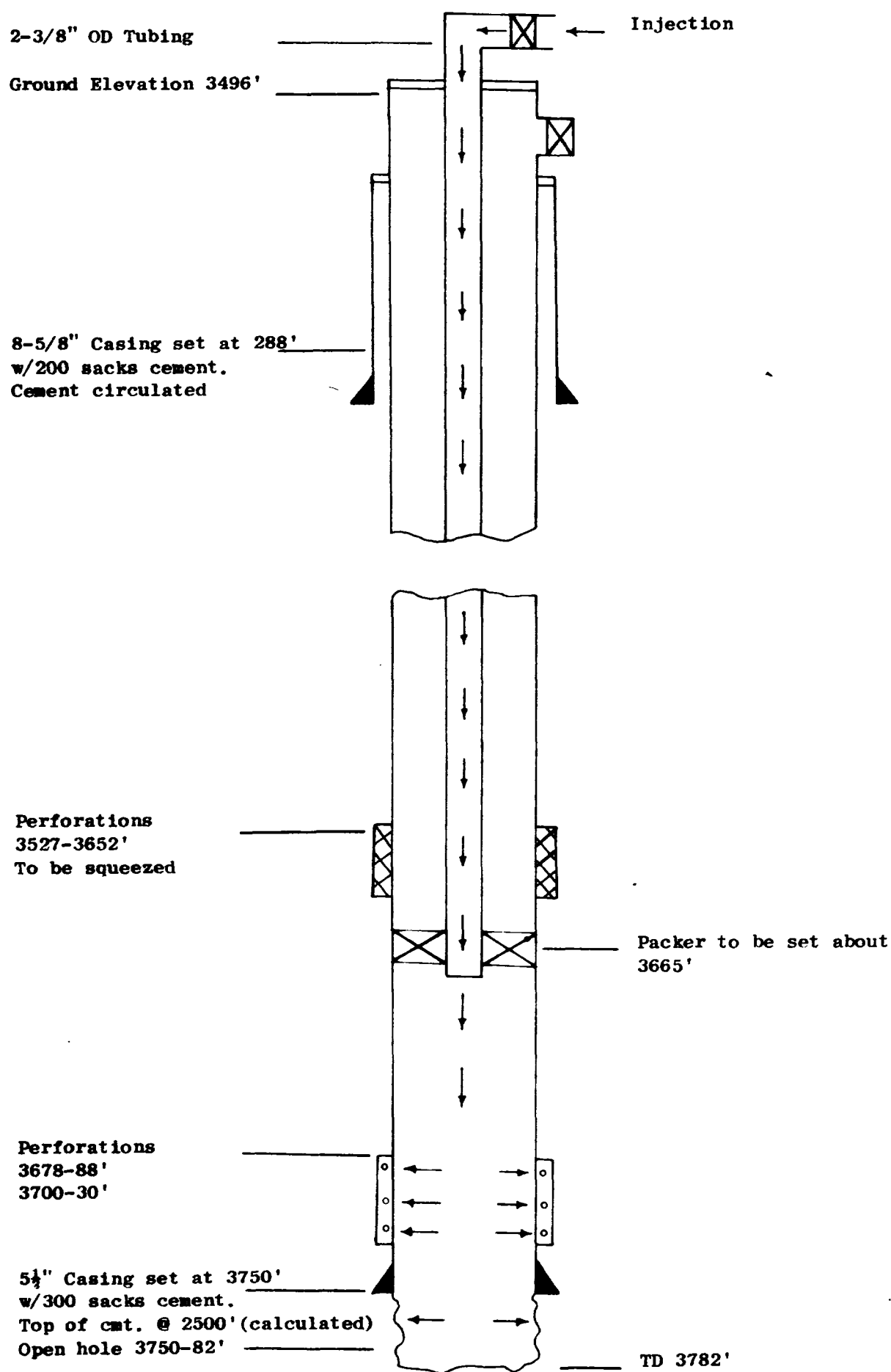
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 33 (ARCo Hale No. 2)
1980' FSL & 1980' FWL Section 34, T-22S, R-36E
Lea County, New Mexico



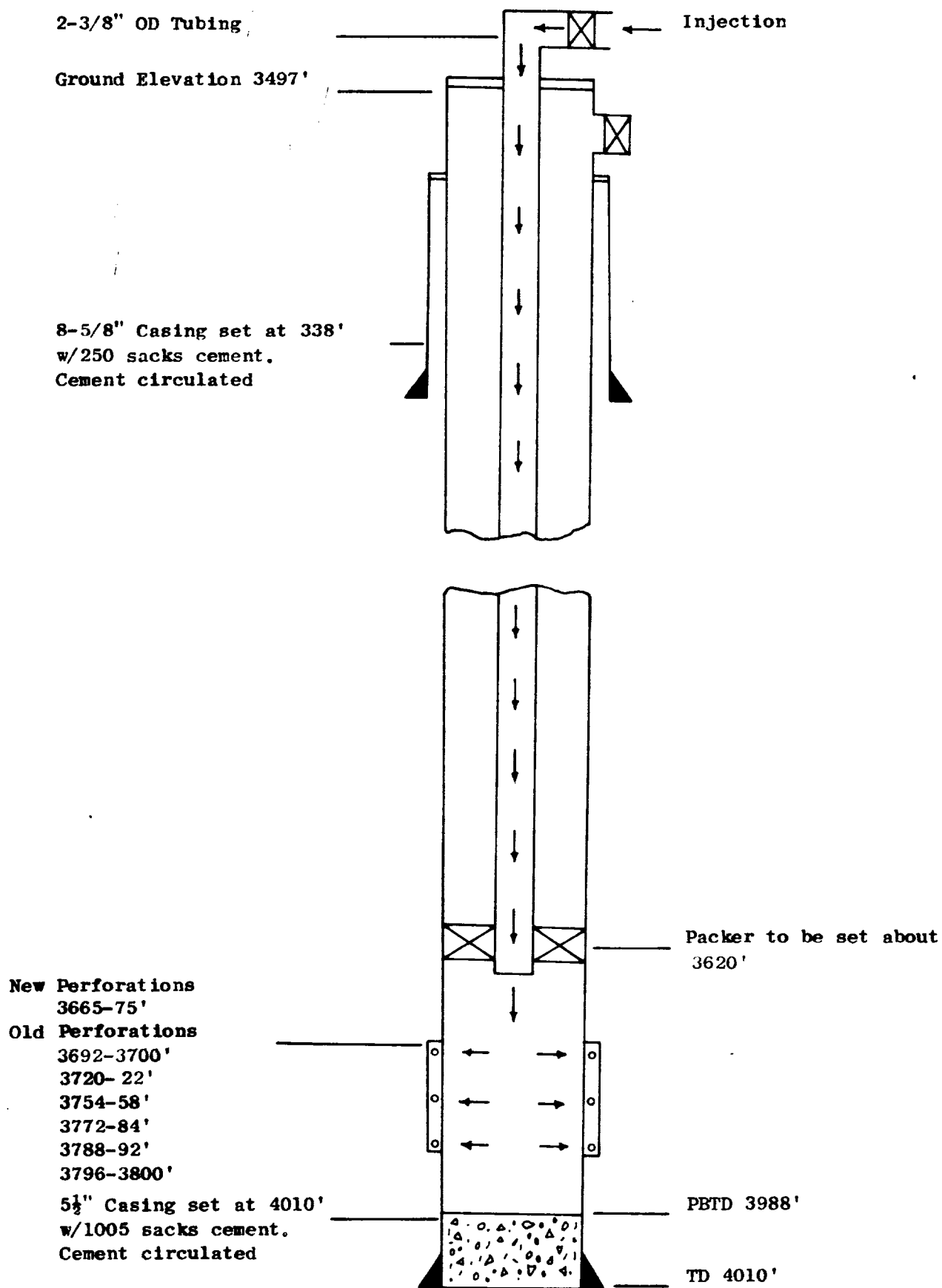
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 35 (ARCo Hale No. 5)
 660' FSL & 660' FWL Section 34, T-22S, R-36E
 Lea County, New Mexico



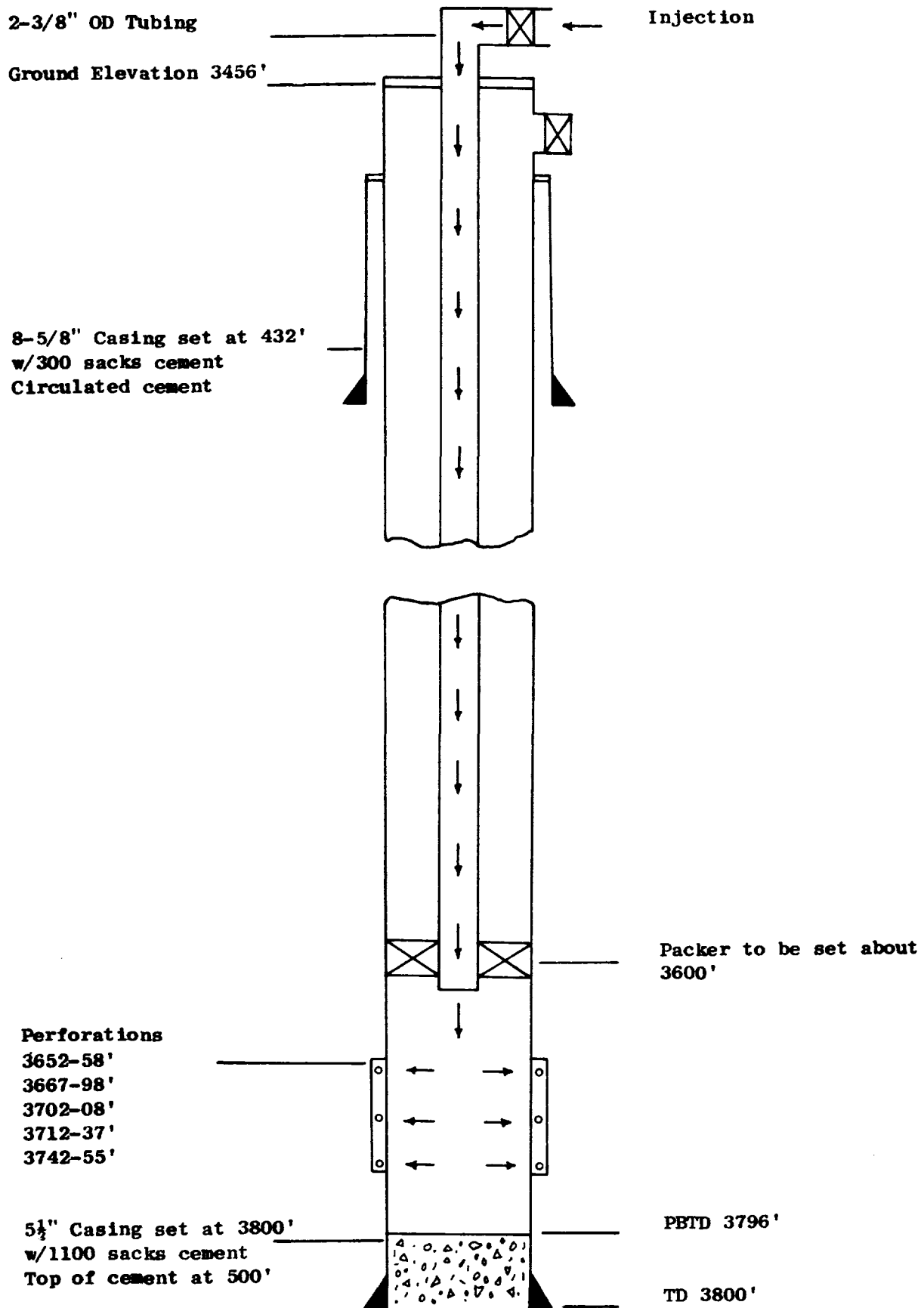
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 37 (ARCo O. L. Jones "B" No. 2)
990' FSL & 2310' FEL Section 34, T-22S, R-36E
Lea County, New Mexico



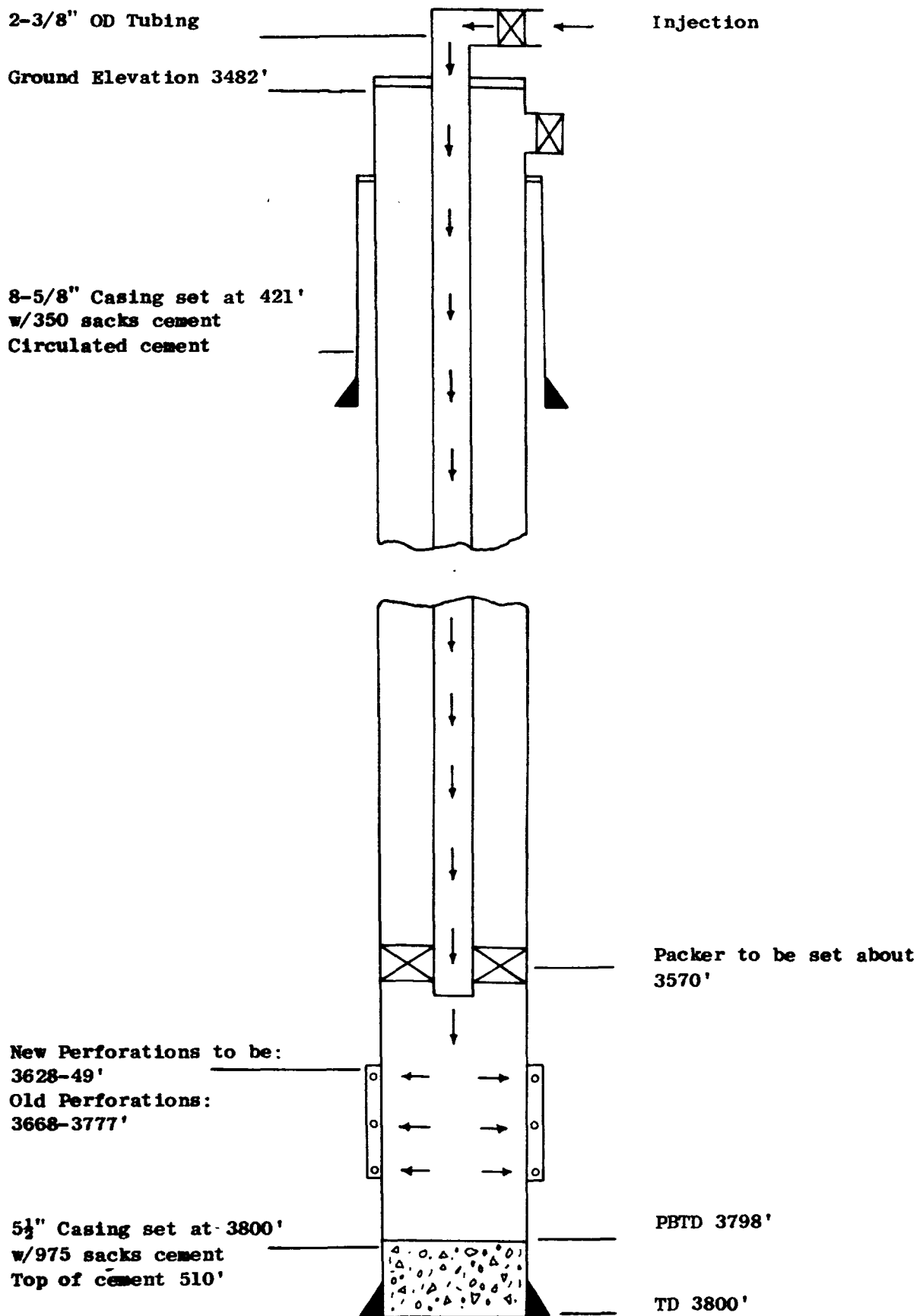
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 39 (Gackle R. Jones No. 4)
660' FSL & 660' FWL Section 35, T-22S, R-36E
Lea County, New Mexico



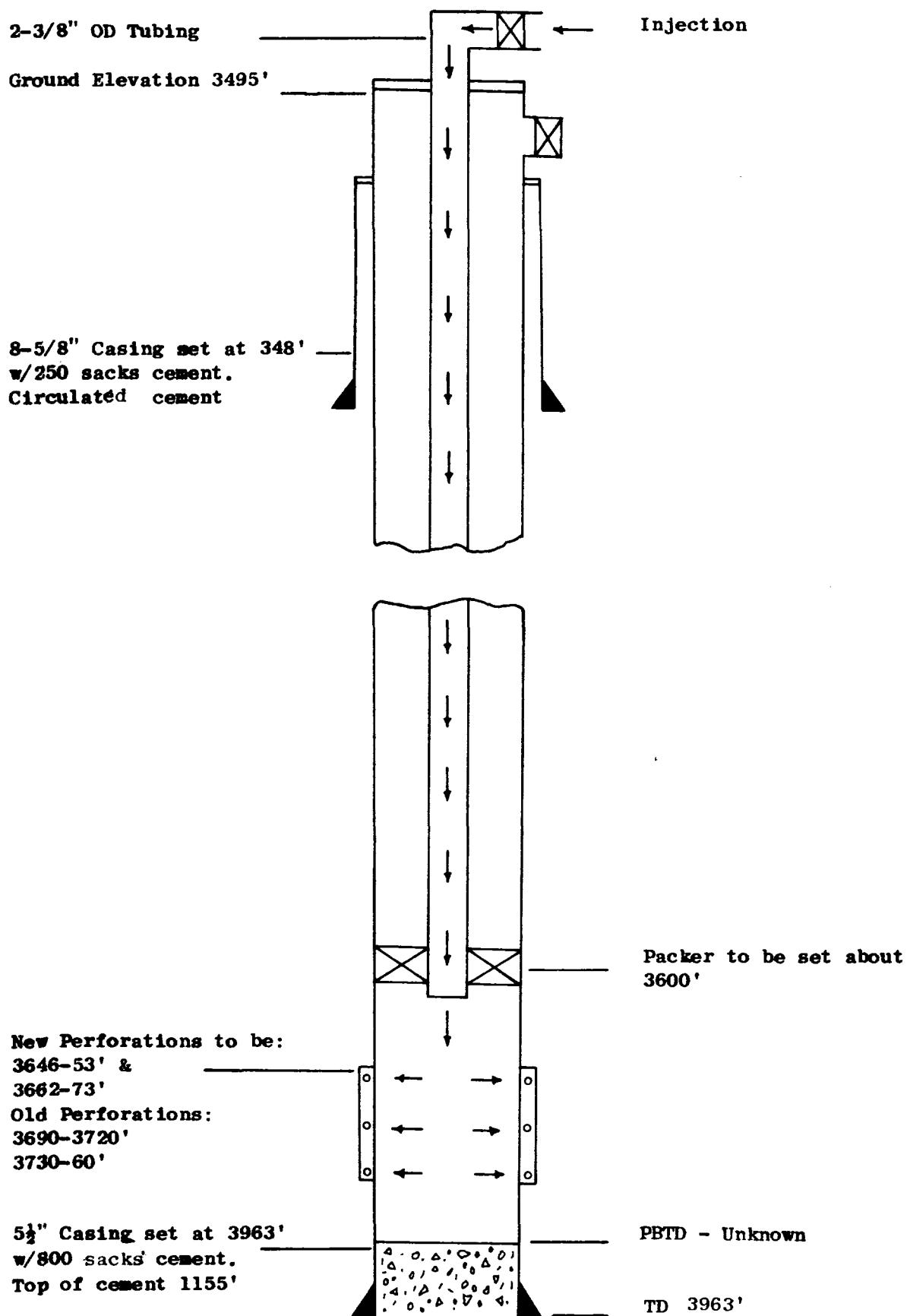
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 41 (Gulf Janda "I" State No. 4)
 660' FNL & 660' FEL Section 2, T-23S, R-36E
 Lea County, New Mexico



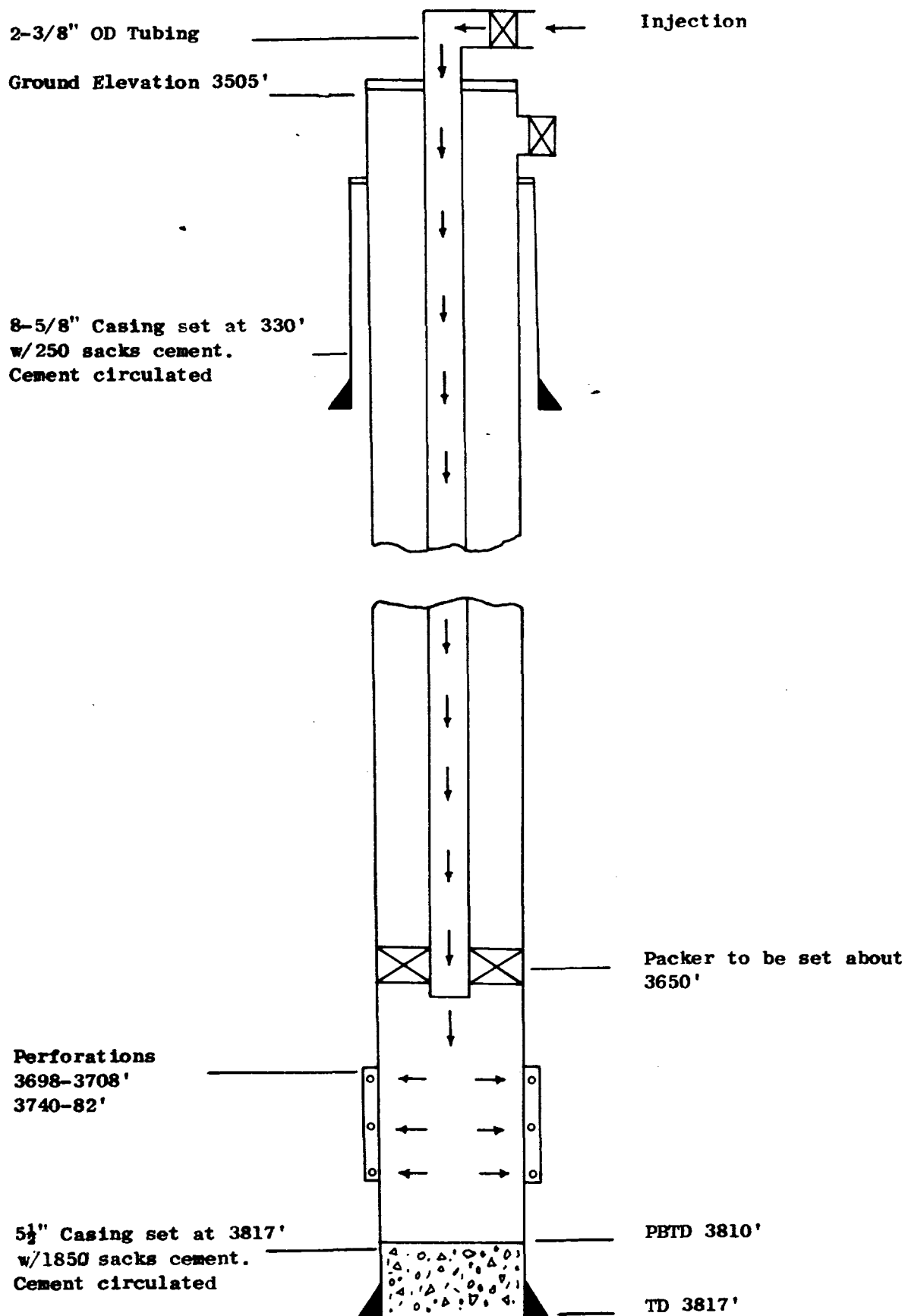
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 43 (Gulf Janda "I" State No. 5)
 660' FNL & 1980' FWL Section 2, T-23S, R-36E
 Lea County, New Mexico



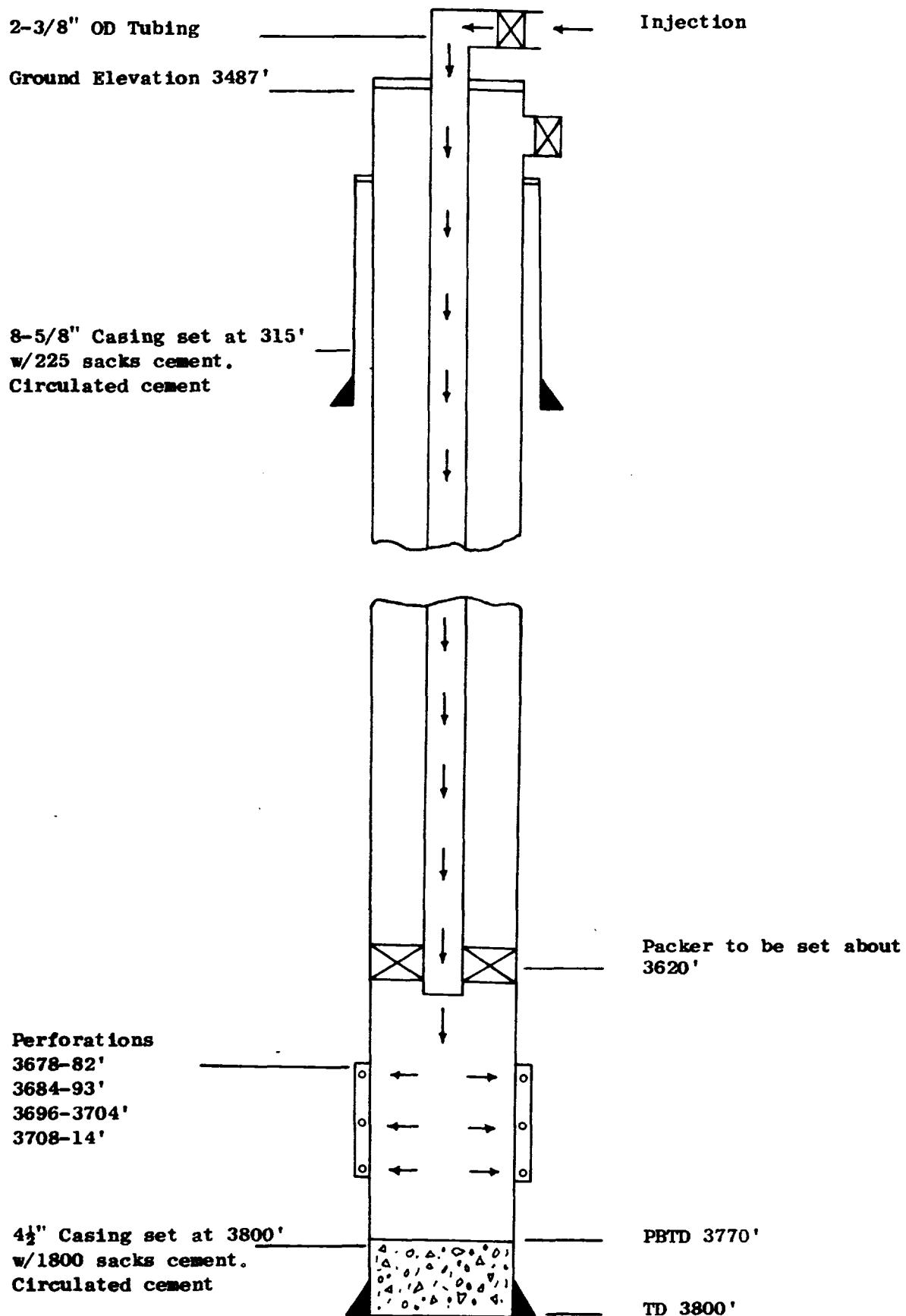
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 45 (Gackle Sinclair State "B" No. 7)
 660' FNL & 660' FEL Section 3, T-23S, R-36E
 Lea County, New Mexico



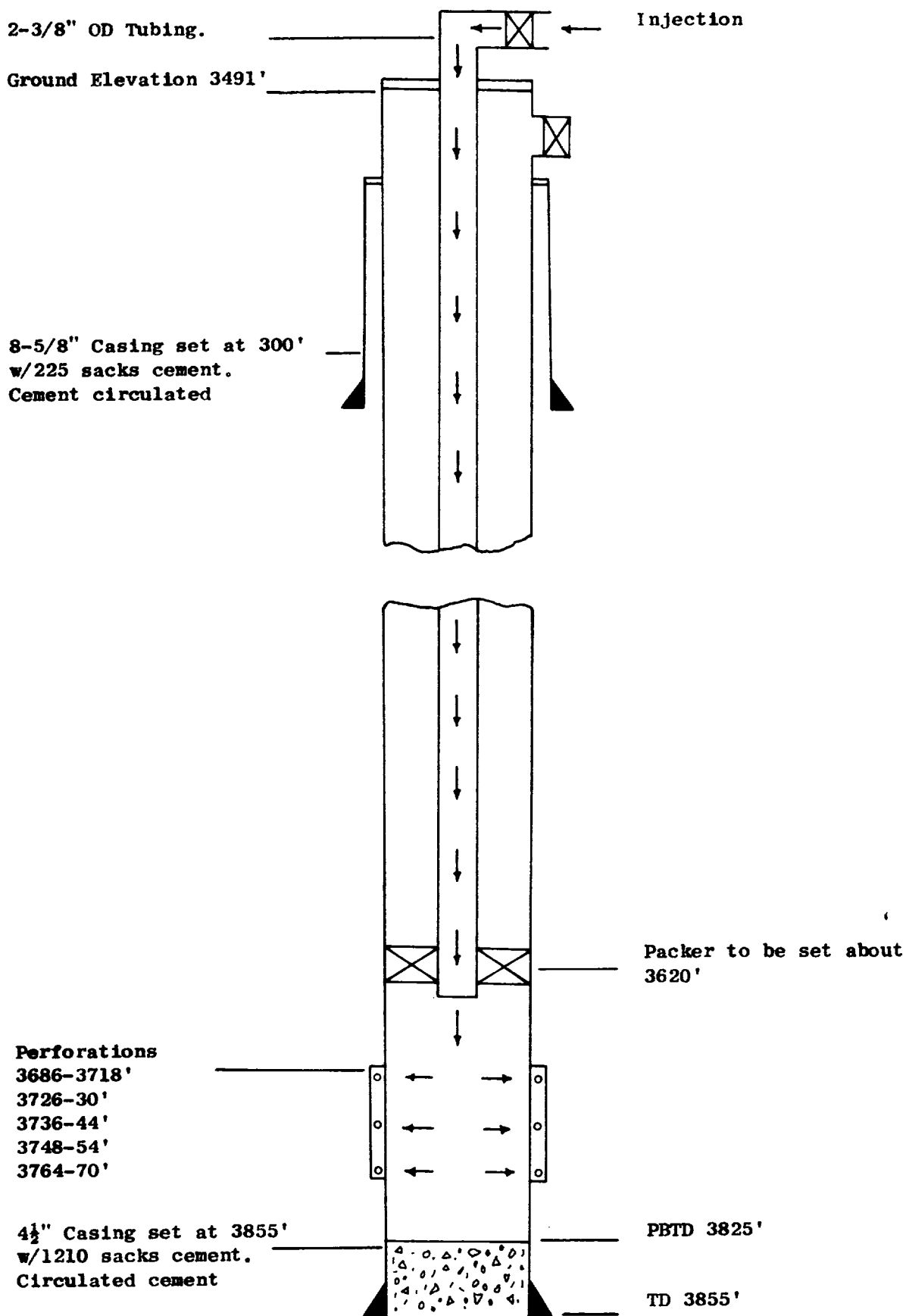
ATLANTIC RICHFIELD COMPANY
 SEVEN RIVERS QUEEN UNIT
 Schematic Drawing of Injection Well
 Unit Well No. 47 (Gackle Sinclair State "B" No. 6)
 660' FNL & 2310' FWL Section 3, T-23S, R-36E
 Lea County, New Mexico



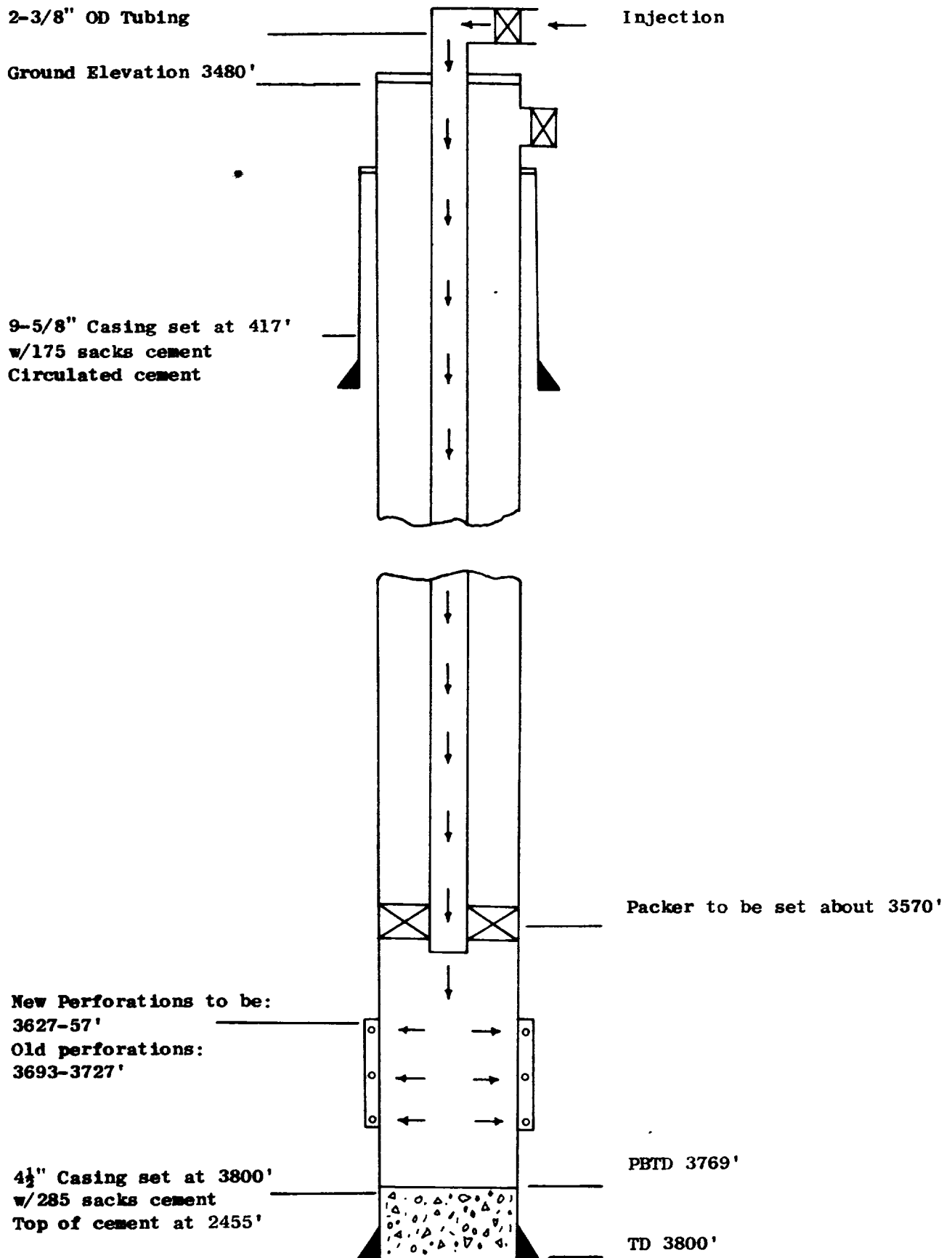
ATLANTIC RICHFIELD COMPANY
SEVEN RIVERS QUEEN UNIT
Schematic Drawing of Injection Well
Unit Well No. 49 (Gackle Sinclair State "B" No. 9)
1980' FNL & 660' FWL Section 3, T-23S, R-36E
Lea County, New Mexico



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

