

TABULATION OF PROPOSED
WATER INJECTION WELLS
MOBIL OIL CORPORATION'S
HUMPHREY QUEEN UNIT
LANGLIE-MATTIX POOL
LEA COUNTY, NEW MEXICO

CONVERSIONS

UNIT WELL NO.

PREVIOUS WELL NAME & NO.

LOCATION

UNIT WELL NO.	PREVIOUS WELL NAME & NO.	LOCATION
2	Mobil's Liberty	1
4	Mobil's Humphrey "A"	1
6*	Mobil's Fristoe	6
7	Mobil's Smith	2
9	Mobil's Humphrey "A"	4
15	Mobil's Liberty	5
17	Mobil's Humphrey "A"	5
19*	Mobil's Fristoe	7
23*	Mobil's Humphrey "A"	9

INJECTION WELLS TO BE DRILLED

UNIT WELL NO.

LOCATION

UNIT WELL NO.	UNIT	SEC. LINE TIES	SEC.	TOWNSHIP	RANGE
13	I	2522' FSL & 1220' FEL	4	25-S	37-E
20*	M	100' FSL & 5' FWL	3	25-S	37-E

* Wells have been completed and equipped as injectors under authority granted in Order No. R-3426.

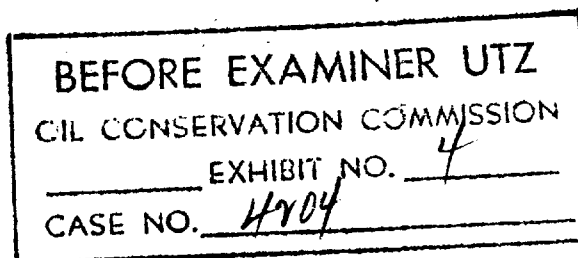
CRKreuz/dw
8-20-69

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 4404

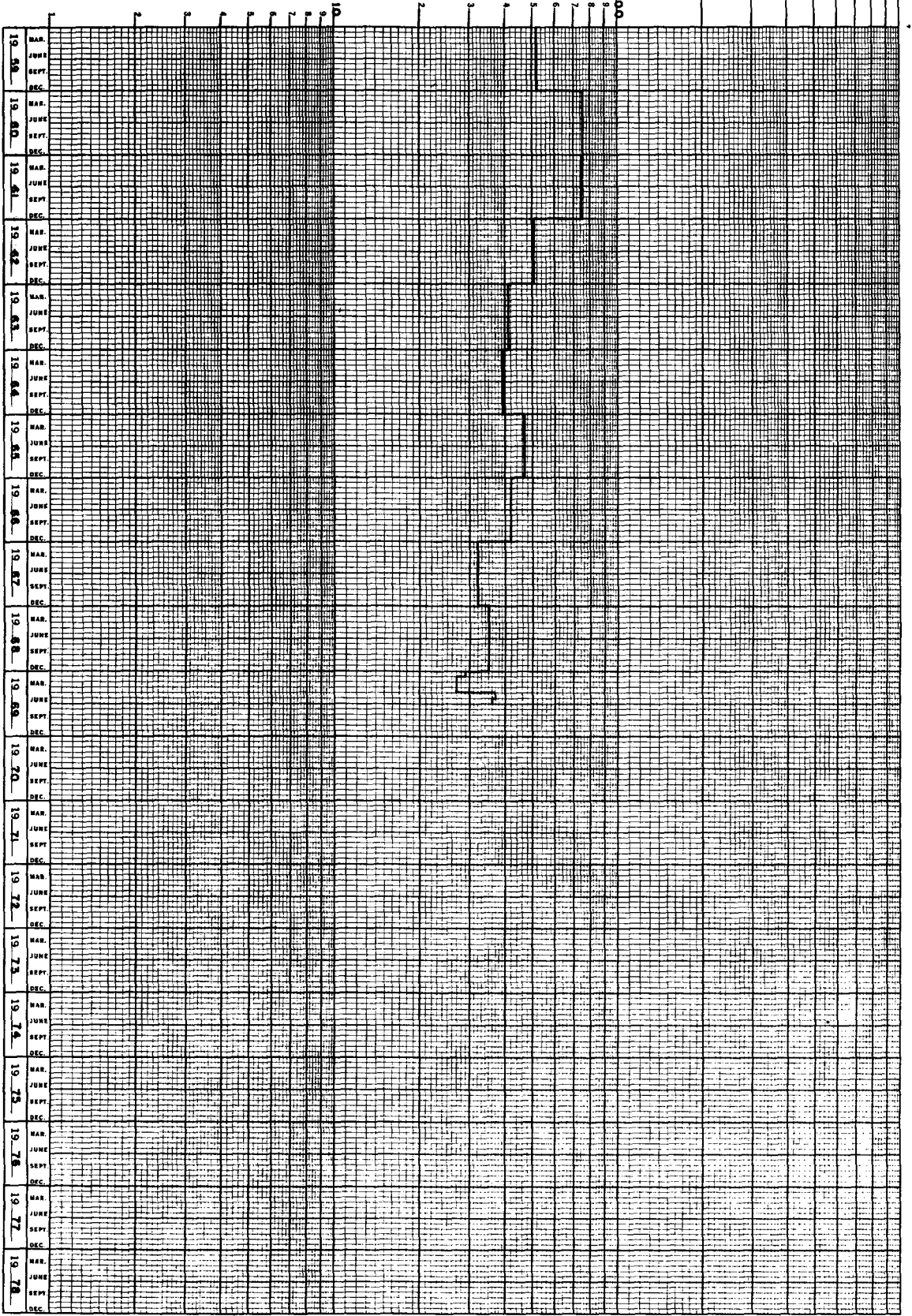
MOBIL OIL CORPORATION

TABULATION OF OIL PRODUCTION
PROPOSED HUMPHREY QUEEN UNIT
LEA COUNTY, NEW MEXICO

<u>YEAR</u>	<u>OIL PRODUCTION, BBLs.</u>	<u>CUMULATIVE OIL, BBLs.</u>	<u>NUMBER OF PRODUCING WELLS</u>	<u>BOPD</u>
1959	19015	1,409,130	14	52
1960	27687	1,436,817	14	76
1961	27337	1,464,154	15	75
1962	18538	1,482,692	15	51
1963	15013	1,497,705	12	41
1964	14160	1,511,865	14	39
1965	17290	1,529,155	15	47
1966	15398	1,544,553	15	42
1967	11721	1,556,274	17	32
1968	12891	1,569,165	19	35
1969				
Jan.	895	1,507,060	19	29
Feb.	743	1,570,803	19	27
Mar.	822	1,571,625	19	27
Apr.	810	1,572,435	19	27
May.	1147	1,573,582	19	37
Jun.	1070	1,574,652	19	36



BOPD



BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 5

CASE NO.

4104

Mobil Oil Corporation

EXPLORATION AND PRODUCING DEPARTMENT
MIDLAND DIVISION

GRAPH OF DAILY OIL PRODUCTION
BEGINNING 1959
PROPOSED HUMPHREY QUEEN UNIT
LANGTIE-MATTIX FIELD
Lea County, New Mexico

SCALE

DATE 8-21-69
BY JRM
CHECKED BY JRM
APPROVED BY JRM
REVISED

Humphrey Queen Unit Well No 2 W1W
Langlie-Mattie (Queen) Field
Lea County, New Mexico

15 1/2" - 55# PL Gr. NA. set
KIT 100 SC

Min. Burst Press. = NA

GL Elev. =

KB Elev. = 3,163'

103'

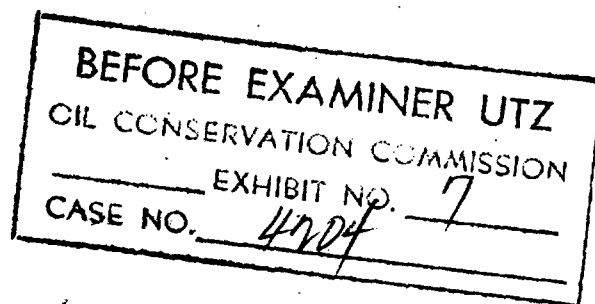
8 5/8" - 32# PL Gr. NA. set w/ 150 SC

Min. Burst Press. = NA

Est Cement top

1,385'

2,000'



Injection packer &
2" cement lined tubing

3,114'

7" - 24# PL Gr. NA. set w/ 150 SC

Min. Burst Pressure = NA

3,164'

8-19-69
CWT

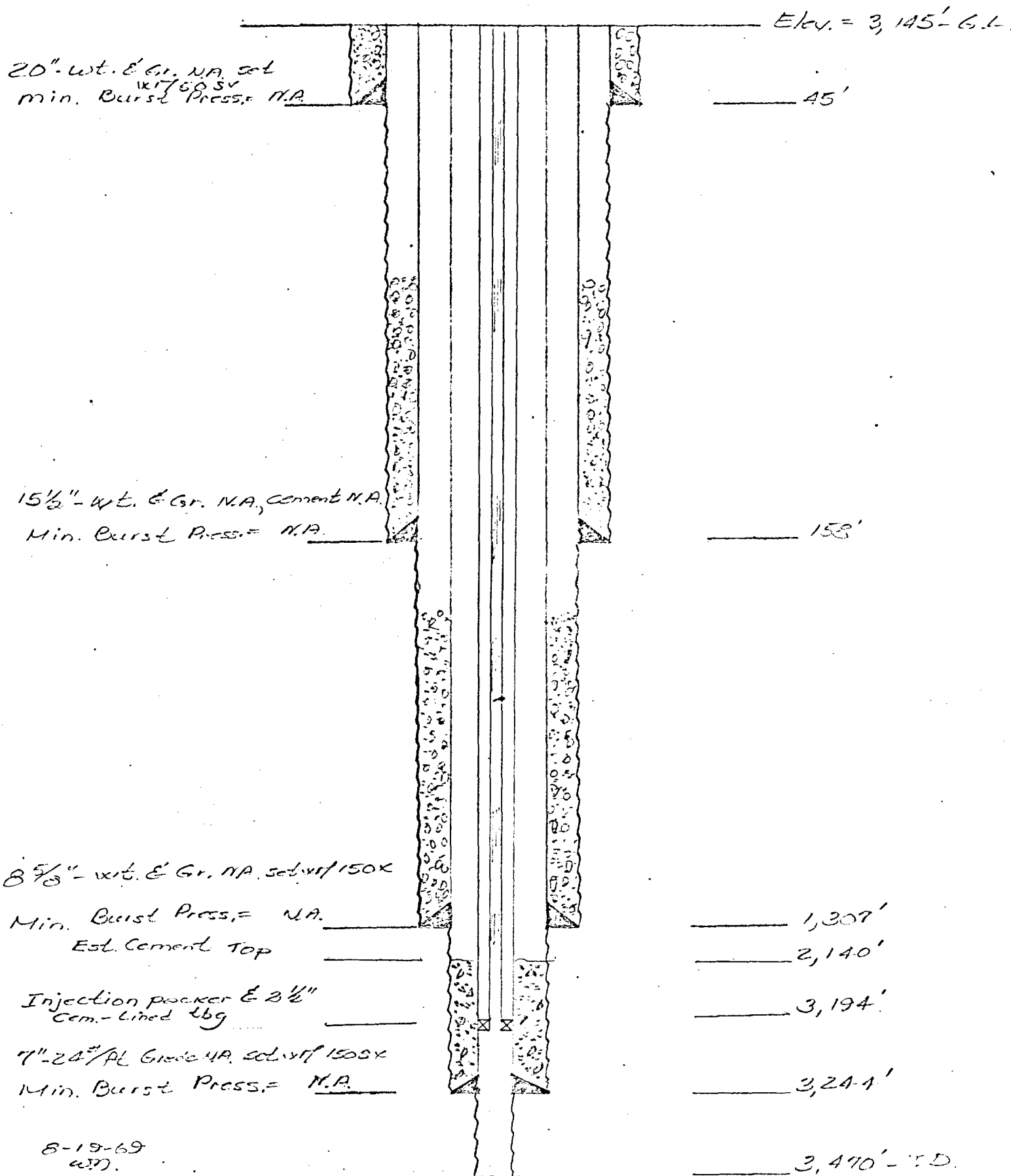
3,275' - TD

Diagrammatic Well Sketch

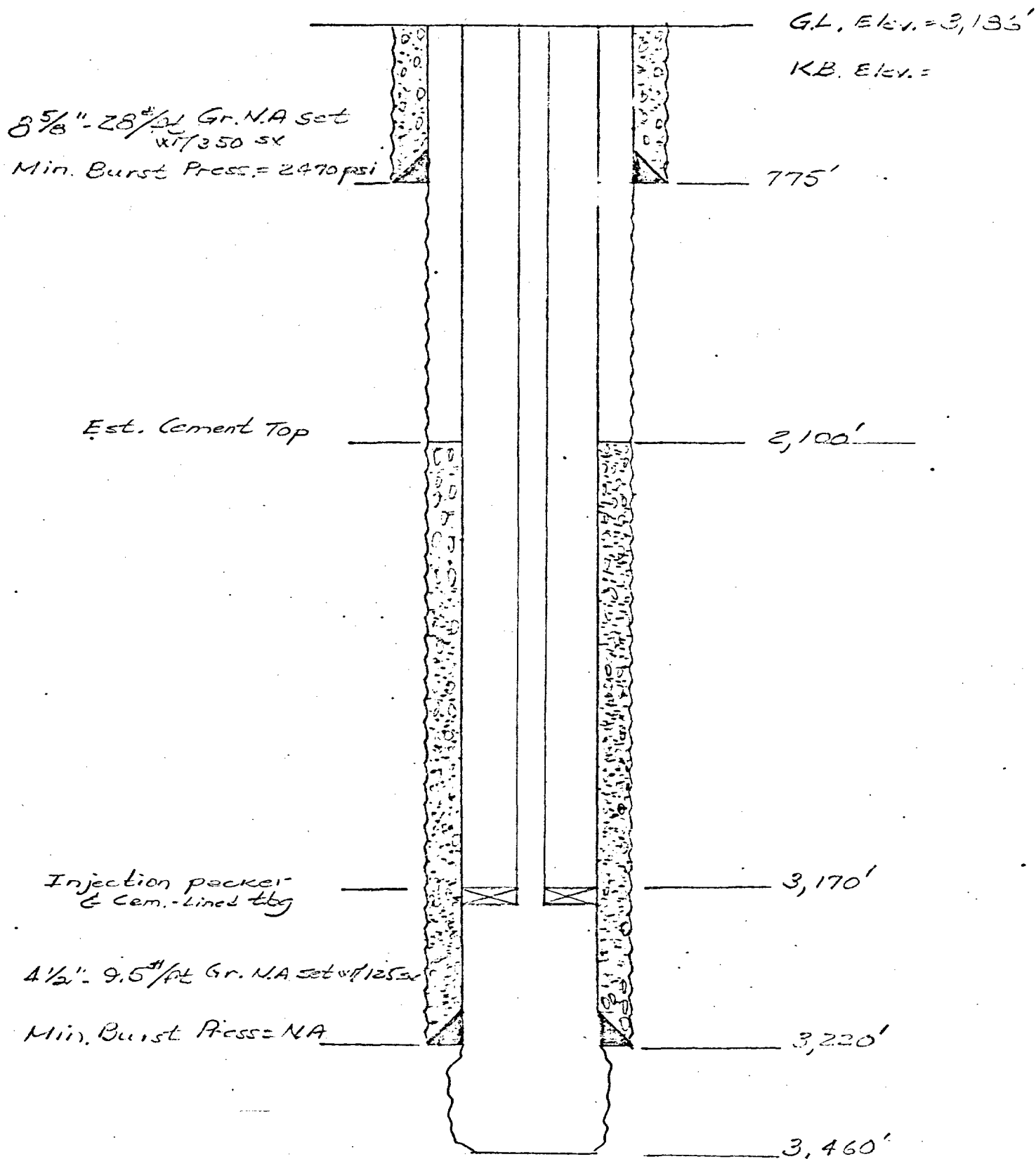
Humphrey Queen Unit Well No. 4 W.W.

Langlie-Mattie (Queen) Field

Lea County, New Mexico



Humphrey Queen Unit Well No. 6 W.W.
Langlie Matlix (Queen) Field
Lea County, New Mexico



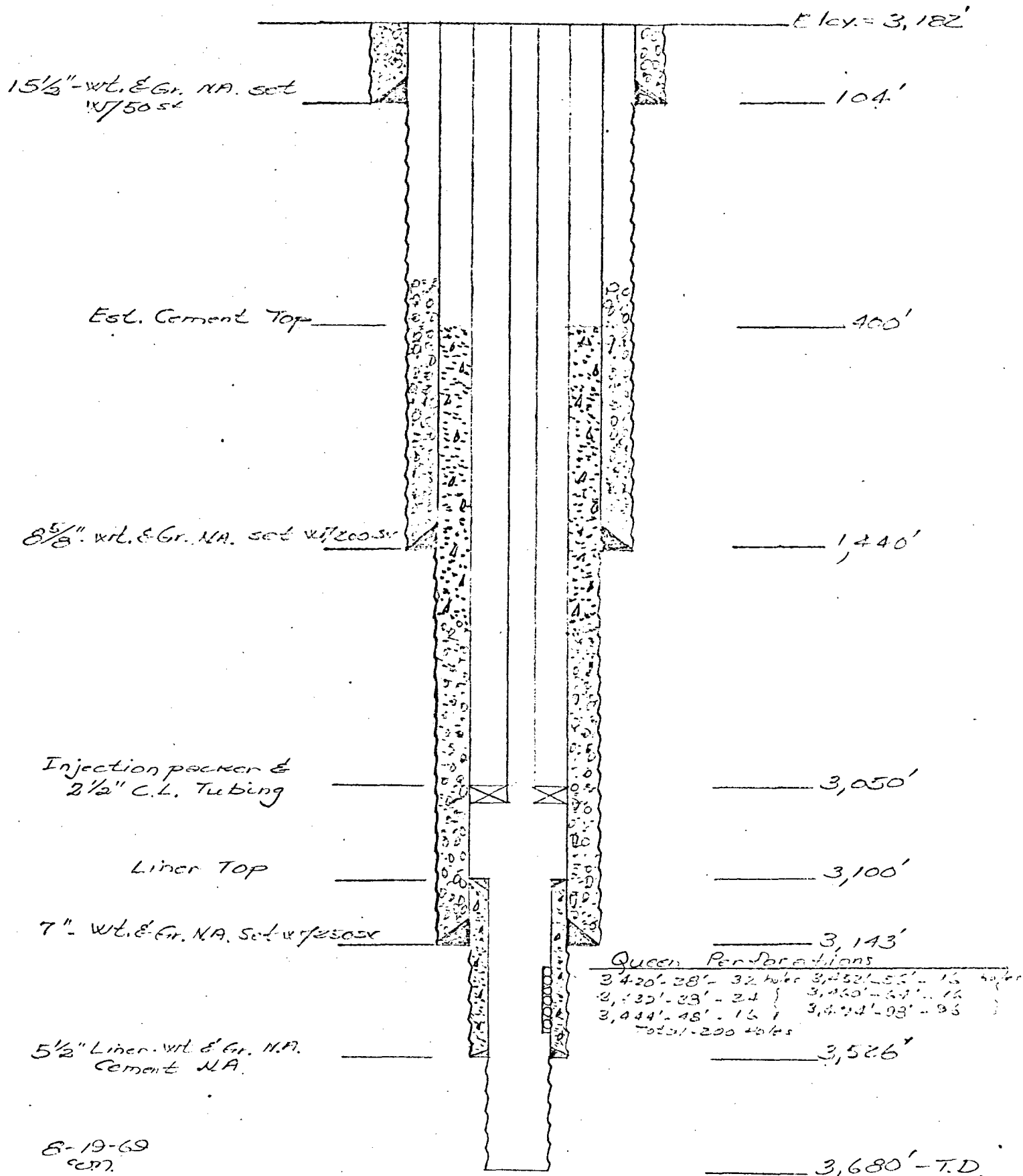
8-19-69
C.M.

Langlie-Mattie Well Sketch

Humphrey Queen Unit Well #7 WINK

Langlie-Mattie (Queen) Field

Lea County, New Mexico



Humphrey Queen Unit Well #9 WIW
Longlie-Mattie (Queen) Field
Lea County, New Mexico

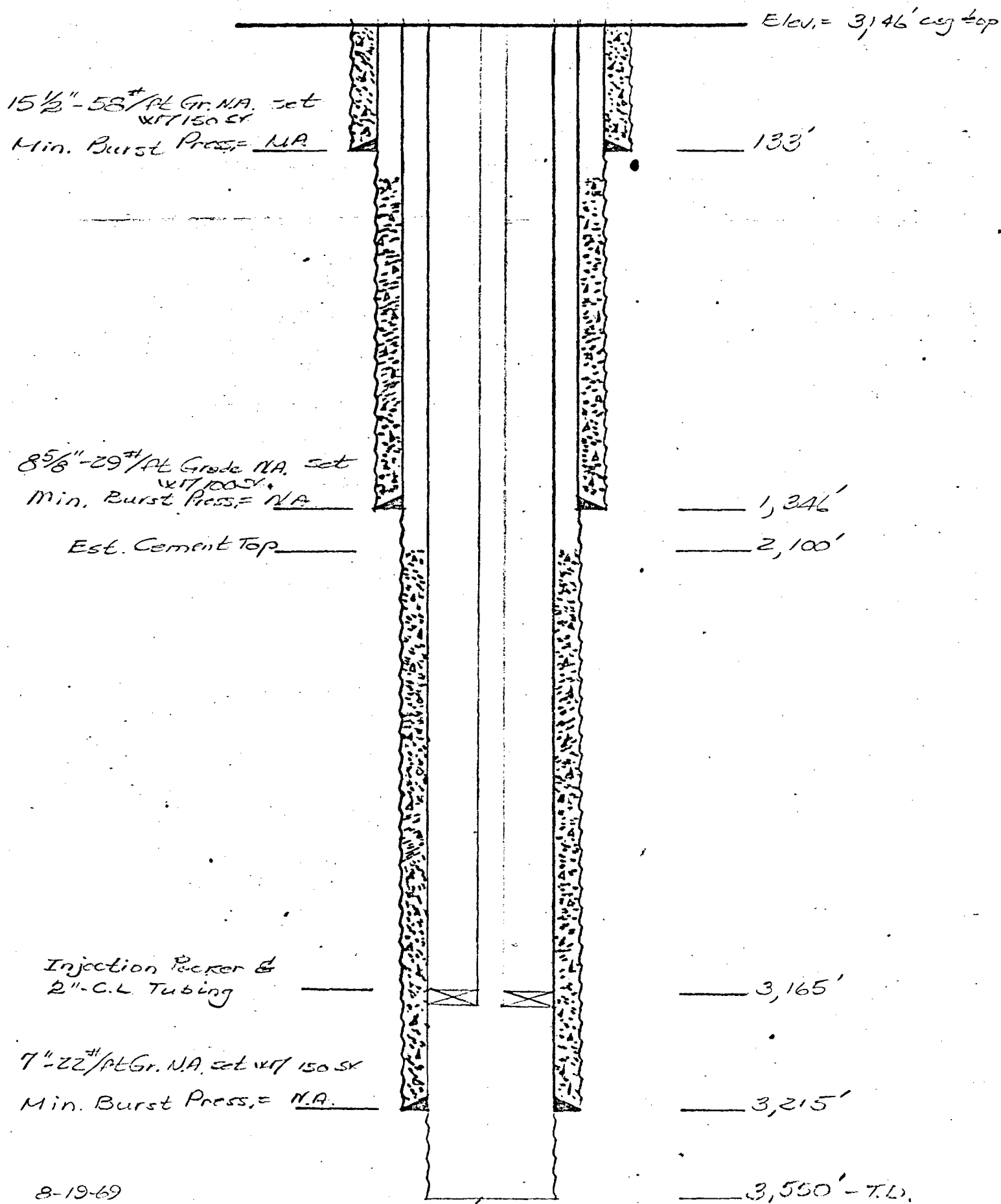
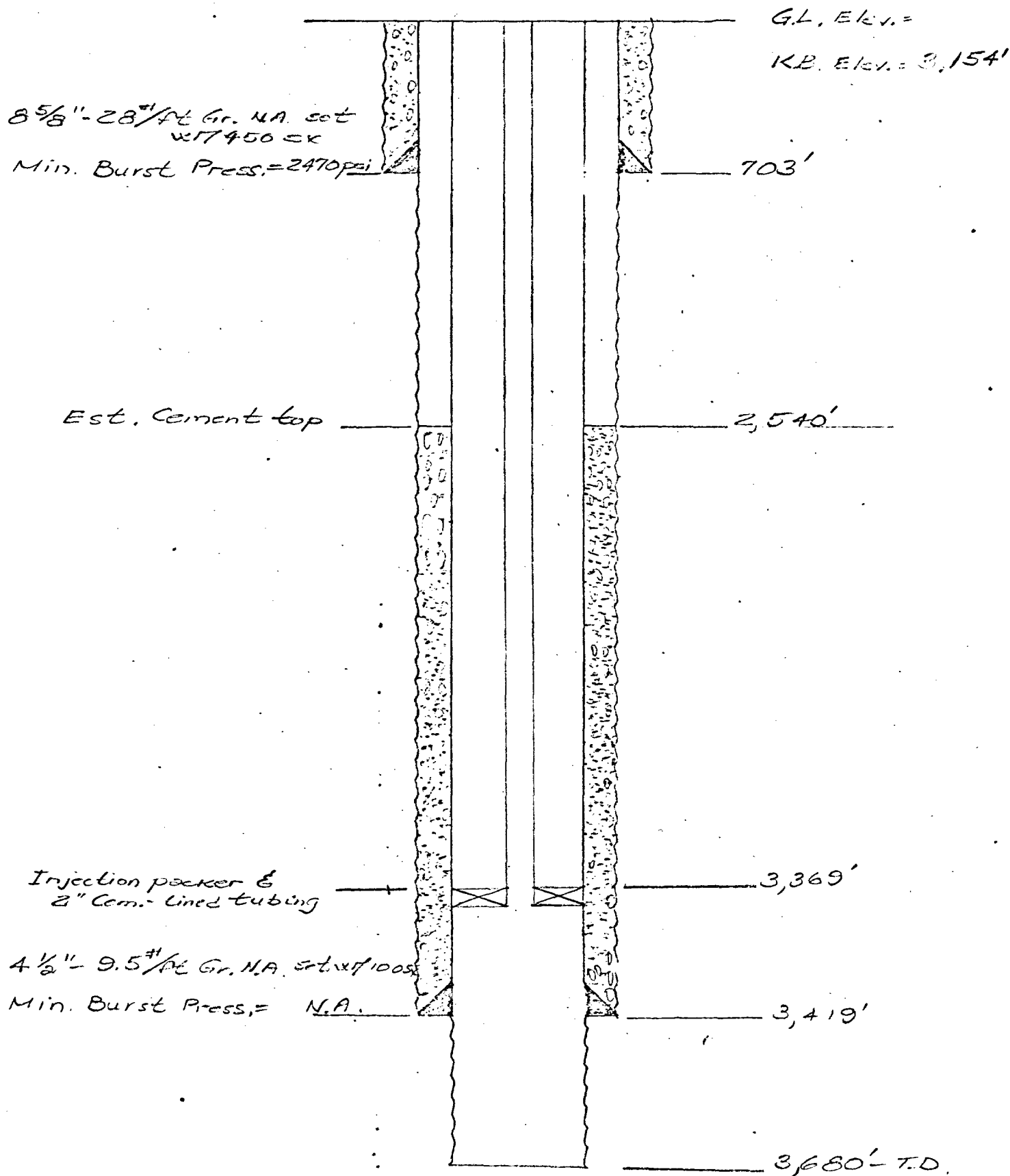


Diagram of well

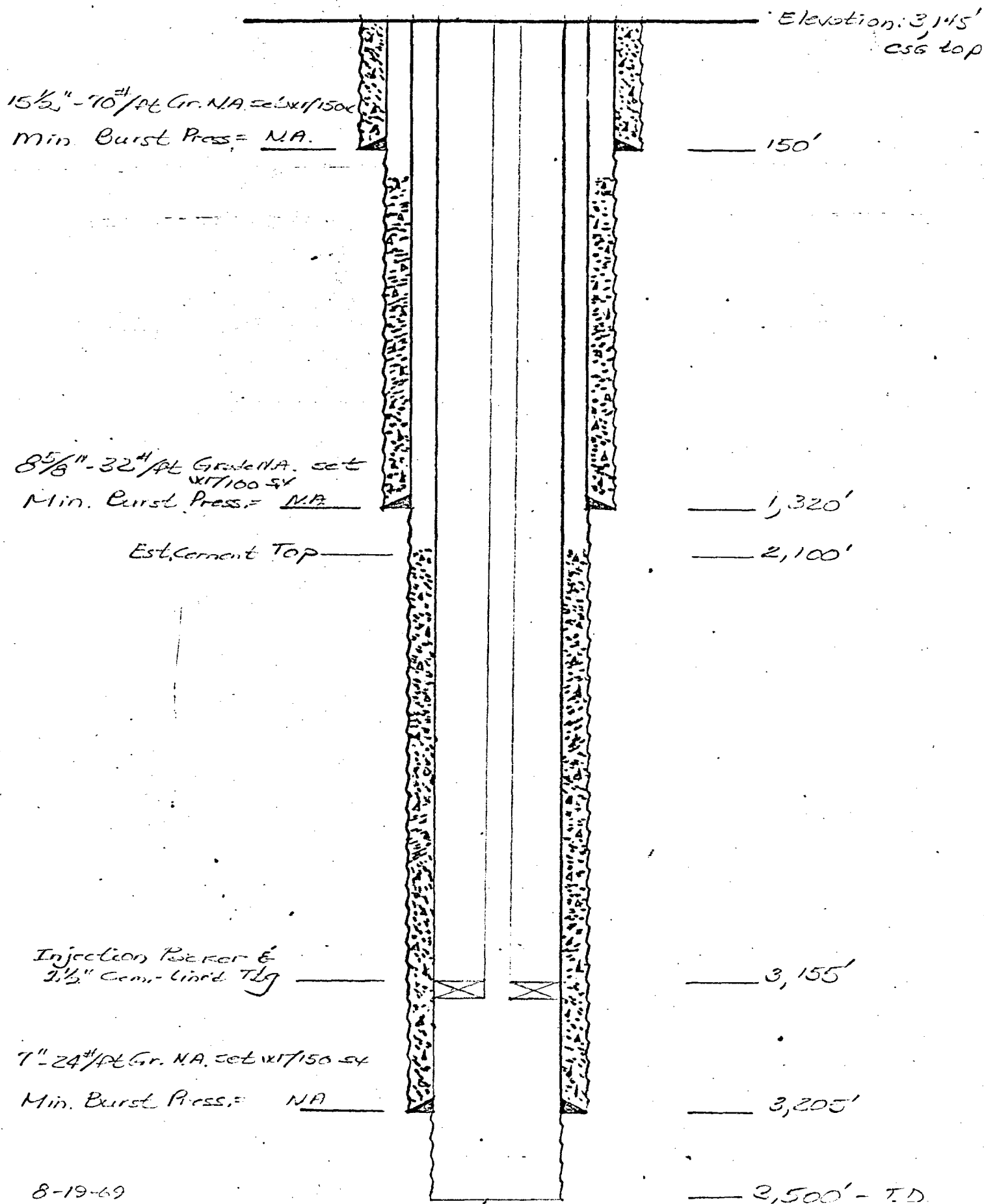
Humphrey Queen Unit Well No. 15 W/V/V

Langlie-Mattie (Queen) Field

Lea County, New Mexico



Humphrey Queen Unit Well No. 17 W1W
 Langlie-Mattew (Queen) Field
 Lea County, New Mexico

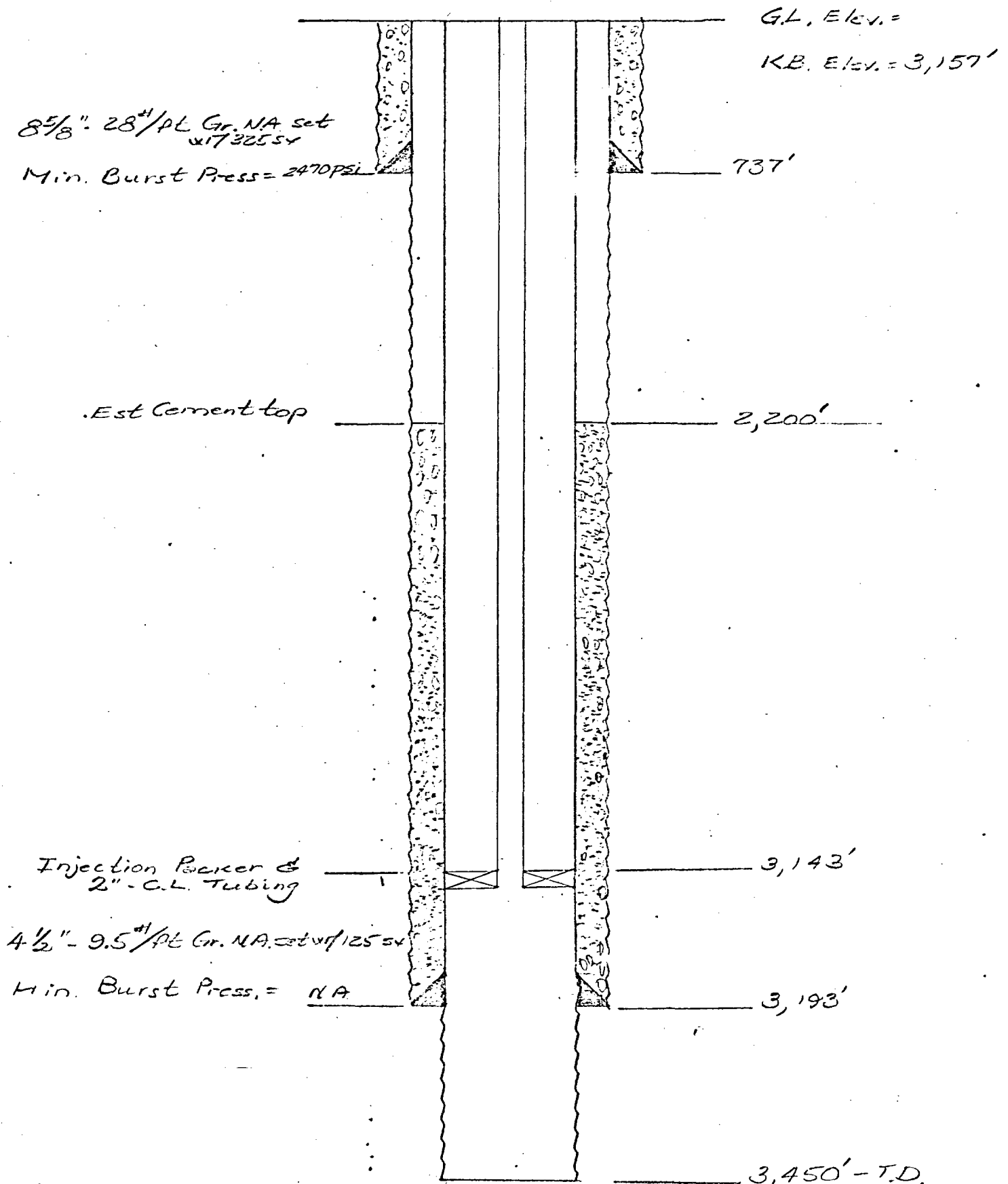


Diagrammatic Well Section

Humphrey Queen Unit Well No. 19 W.I.W.

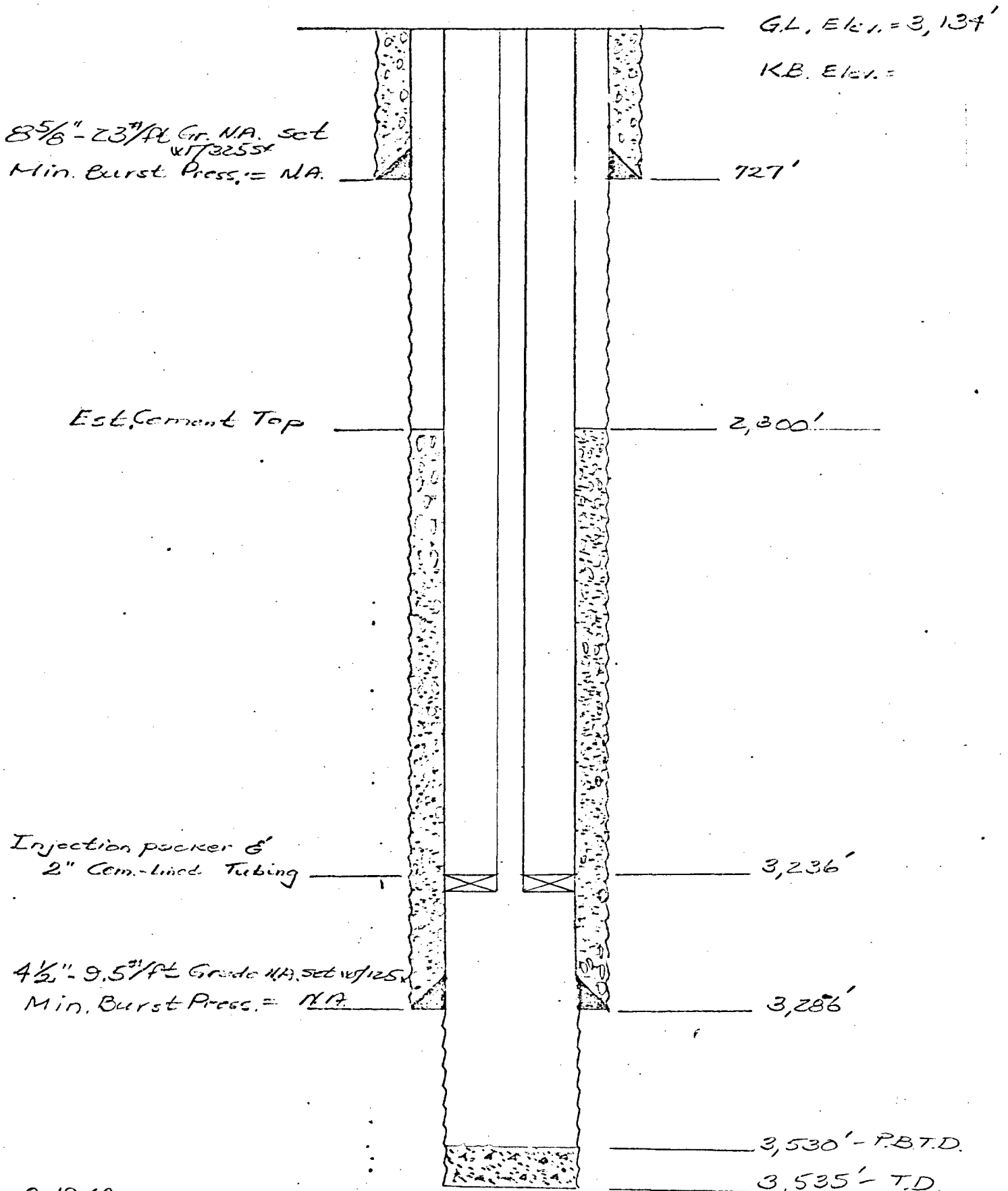
Langley-Mottix (Queen) Field

Lea County, New Mexico



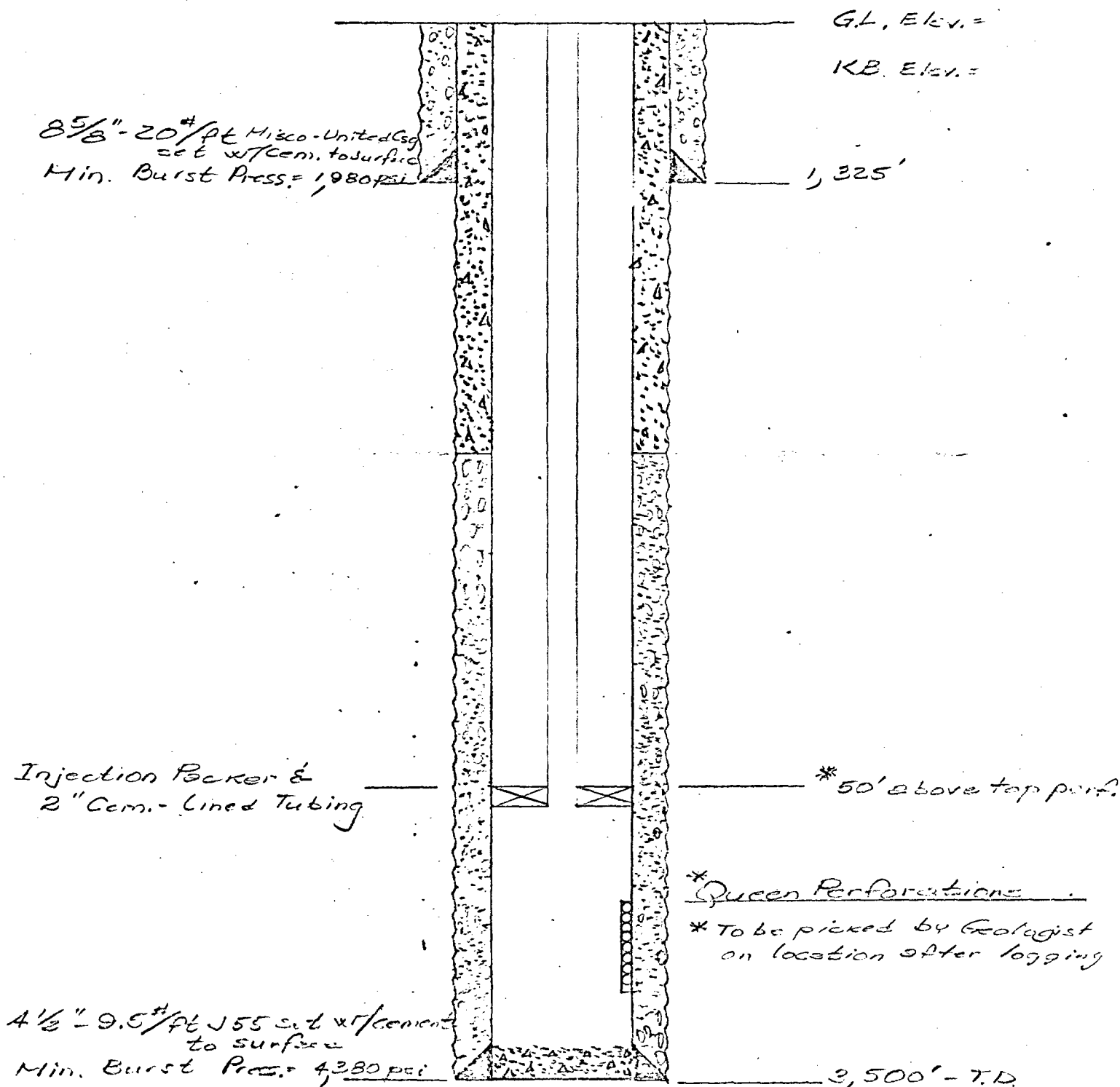
8-19-69
ccm.

Diagram of Well
Humphrey Queen Unit Well No. 23 W.W.
Langlie-Mattix (Queen) Field
Lea County, New Mexico



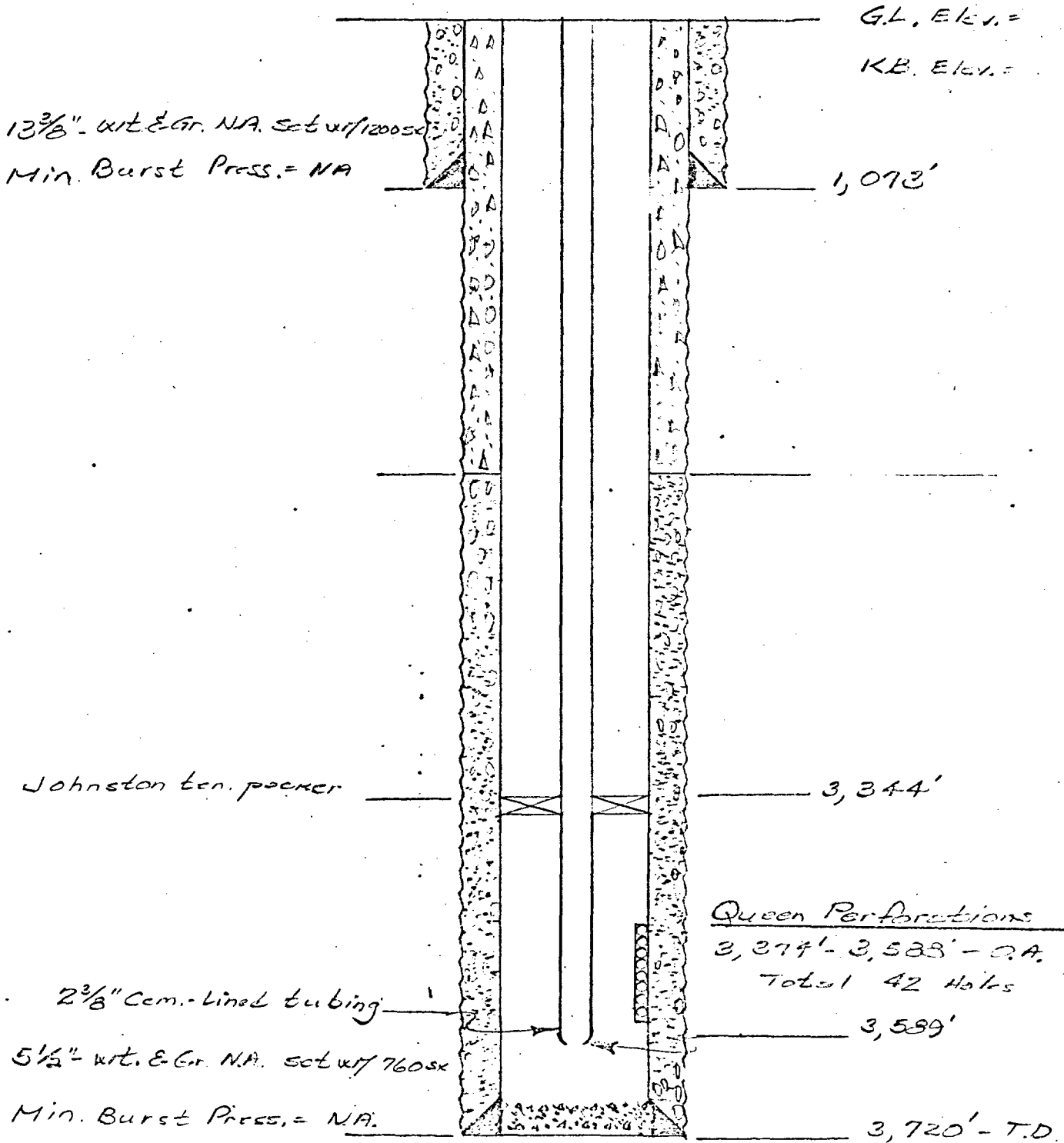
8-19-69
W.S.

Diagram of Well No. 13
Humphrey Queen Unit Well No. 13 W.I.W.
Langlie-Mattix (Queen) Field
Lea County, New Mexico



8-20-69
(107)

Diagrammatic Well Sketch
 Humphrey Queen Unit Well No 20 W.W.
 Langlie-Mattix (Queen) Field
 Lea County, New Mexico



Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

August 7, 1969

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Att: Mr. A. L. Porter

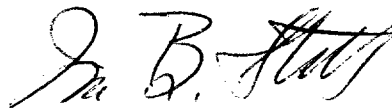
APPLICATIONS OF MOBIL OIL
CORPORATION FOR A UNIT AGREEMENT
AND WATERFLOOD PROJECT - HUMPHREY
QUEEN UNIT, LANGLIE-MATTIX POOL
LEA COUNTY, NEW MEXICO

Dear Mr. Porter:

Enclosed herewith please find above-referenced applications which we would appreciate your filing and docketing for the August 27, 1969 Examiner's Hearing.

This matter was discussed by Messrs. George Hatch and C. R. Kreuz by telephone on August 7, 1969.

Very truly yours,



Ira B. Stitt
Division Operations Engineer

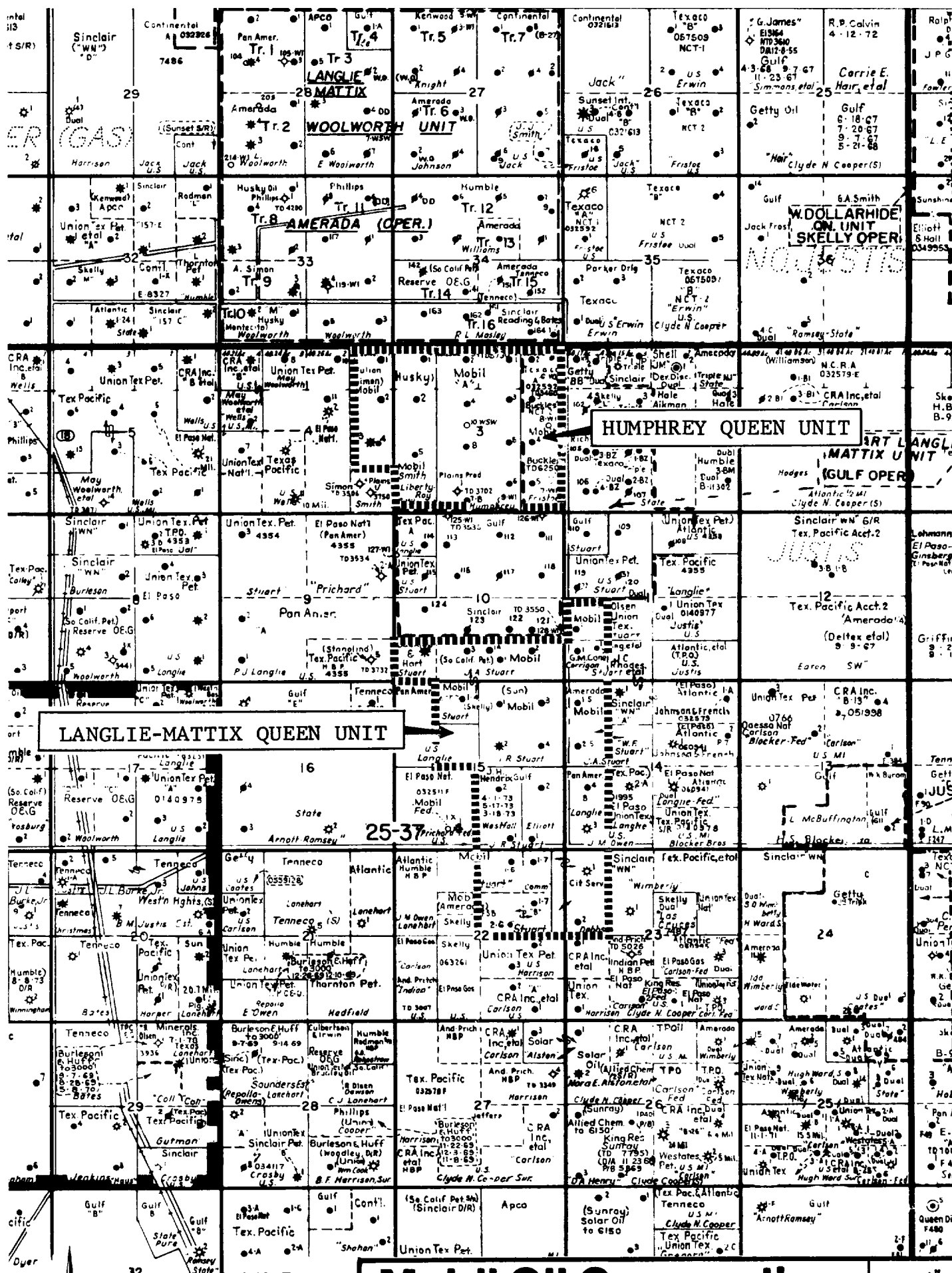
CRKreuz/bje
Enclosures

DOCKET MAILED

Date 8-15-69

Aug 11 PM 5 25

Case 4203



BEFORE EXAMINER UTZ
IN CONSERVATION COMMISSION
EXHIBIT NO. 4704/17
CASE NO.

Mobil Oil Corporation

EXPLORATION AND PRODUCING DEPARTMENT
MIDLAND DIVISION

AREA MAP

PROPOSED LANGLEIE-MATTIX
QUEEN UNIT &
HUMPHREY QUEEN UNIT
Lea County, New Mexico

SCALE 1" = 4000'

DATE 8-21-69
DRAWN BY NRM
CHECKED
APPROVED
REVISED