



PETROLEUM PRODUCTS

April 8, 1981

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

CONVERSION TO INJECTION

VACUUM GRAYBURG-SAN ANDRES UNIT
WELLS NO. 4, 11, 14, 16, 20, 26,
30, 32, 34, 44, 46, 48, AND 50
VACUUM GRAYBURG-SAN ANDRES POOL
LEA COUNTY, NEW MEXICO

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

Attention: Mr. Joe D. Ramey

Gentlemen:

TEXACO Inc. respectfully requests administrative approval as provided by Order No. R-4442, Rule #7 of the New Mexico Oil Conservation Division, to convert to water injection the Vacuum Grayburg-San Andres Unit Wells No. 4, 11, 14, 16, 20, 26, 30, 32, 34, 44, 46, 48, and 50, located in Units M, N, K, I, J, K, K, L, J, F, H, F, and G, respectively, Sections 1 & 2, T-18-S, R-34-E. Initial authorization for the Vacuum Grayburg-San Andres Unit was granted by Commission Order No. R-4442, dated November 27, 1972. The proposed injectors are located in patterns that will result in a more thorough and efficient sweep of the reservoir.

Injection will be into the Grayburg-San Andres formation at a depth of 4333' to 4748' in these wells. The source of water will be from supply wells located in Sections 1 and 2, T-18-S, R-34-E. Water from these sources is obtained from the Ogallala formation.

New Mexico Oil
Conservation Division

- 2 -

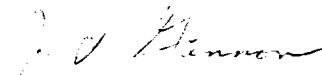
April 8, 1981

Attached is a plat showing all wells and leases within a two-mile radius of the proposed injection wells, and a diagrammatic sketch of the wells.

All Offset Operators have been notified by copy of this letter.

Yours very truly,

TEXACO INC.
PRODUCING DEPARTMENT-WEST U. S.



J. V. Gannon
District Superintendent

GDD:JEB

Attachments

Copies to: Department of Energy and Minerals
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico, 88240

Offset Operators
(List attached)

OFFSET OPERATORS

Amoco Production Company
P. O. Box 1540
Midland, Texas, 79702

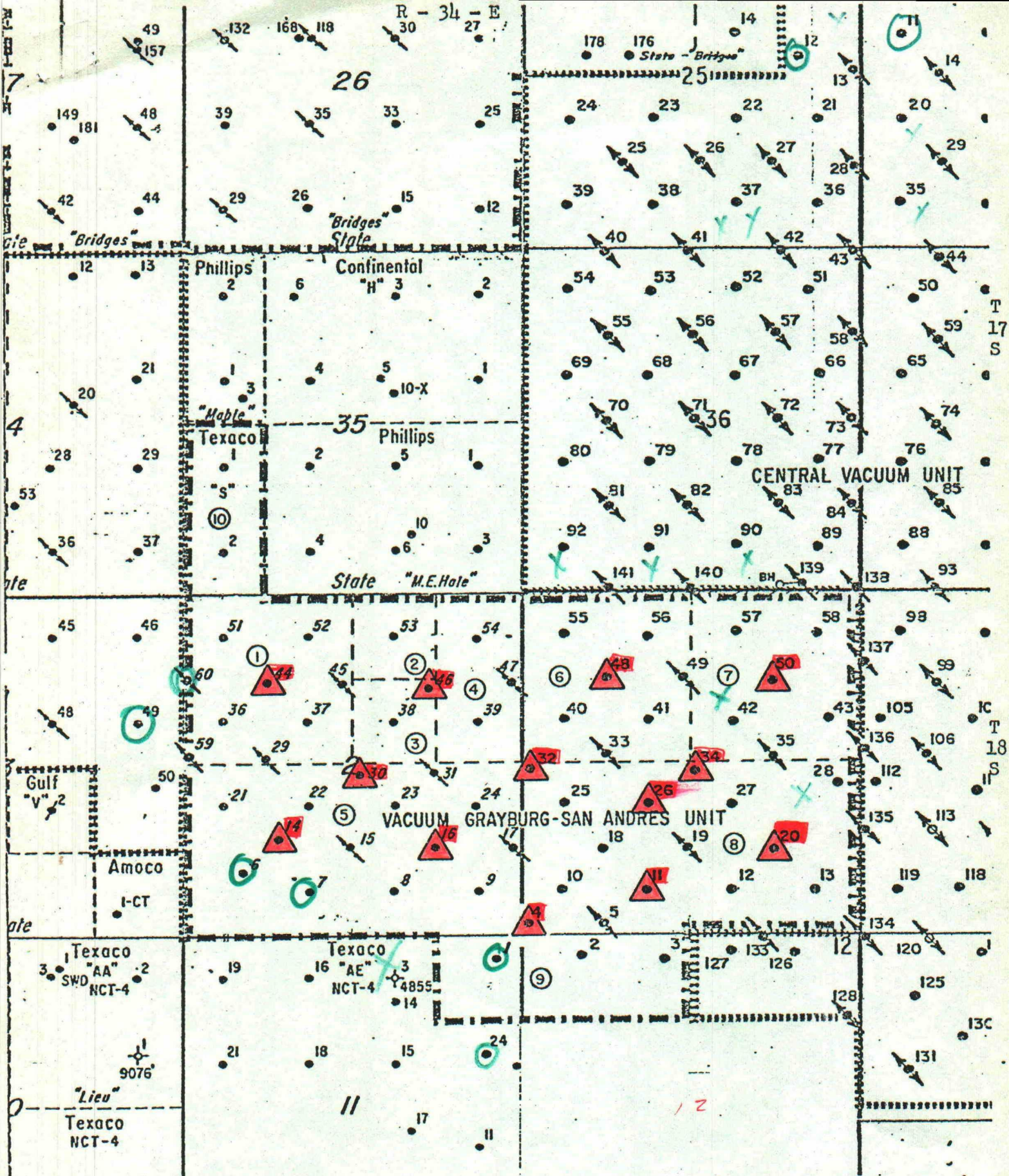
Phillips Petroleum Company
217 Frank Phillips Building
Bartlesville, Oklahoma, 74004

Shell Oil Company
P. O. Box 576, Entex Building
Houston, Texas, 77001

Marathon Oil Company
P. O. Box 552
Midland, Texas, 79701

Exxon Company U.S.A.
Box 2180, Exxon Building
Houston, Texas, 77001

Conoco, Inc.
P. O. Box 9159
Midland Savings Building
Midland, Texas, 79702



▲ PROPOSED CONVERSIONS

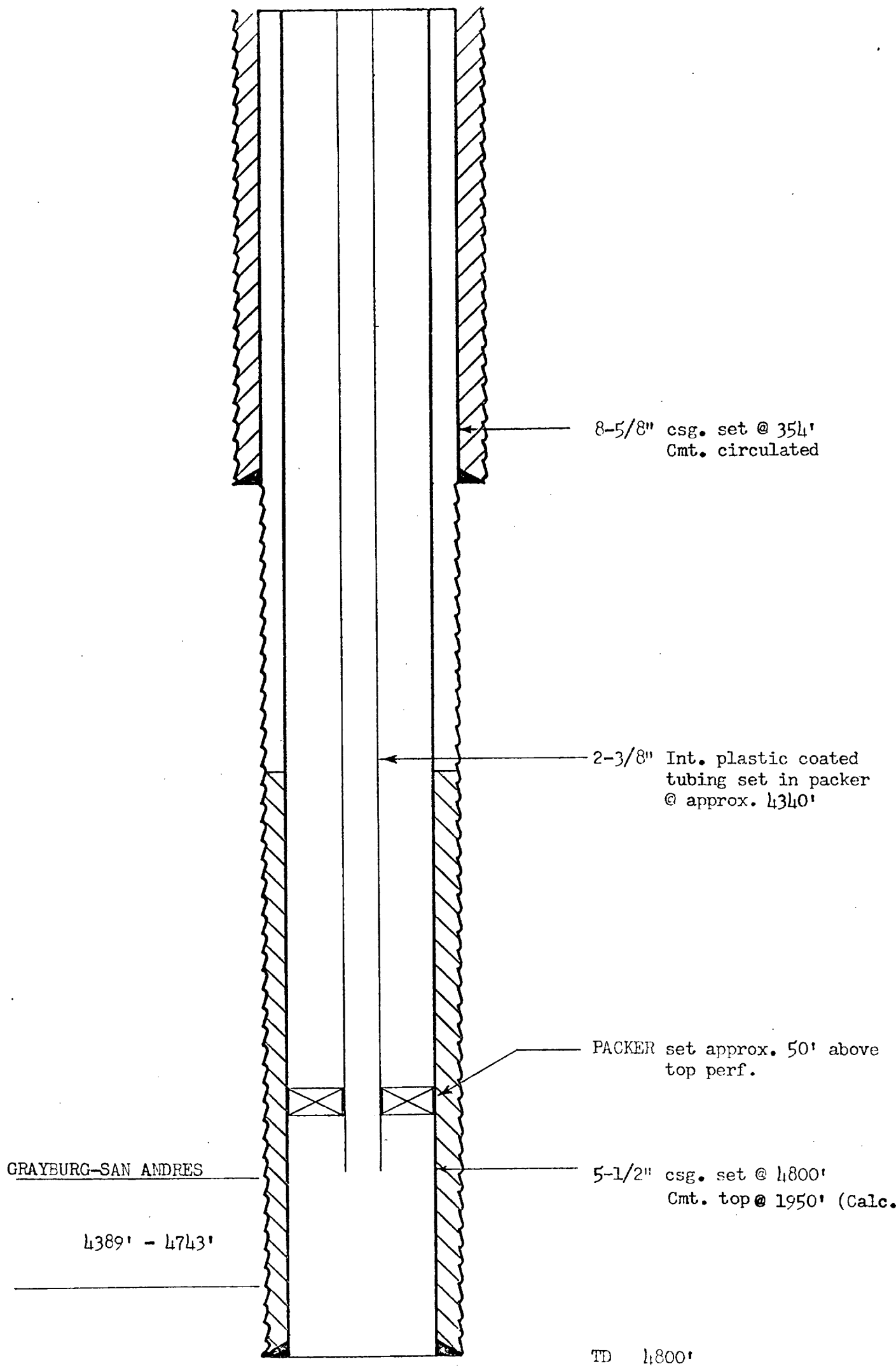
⑨ TRACT NUMBER

TEXACO Inc.
VACUUM G-SA UNIT
VACUUM G-SA FIELD
LEA COUNTY, NEW MEXICO

Scale: 1" = 2000'

E X H I B I T "A"

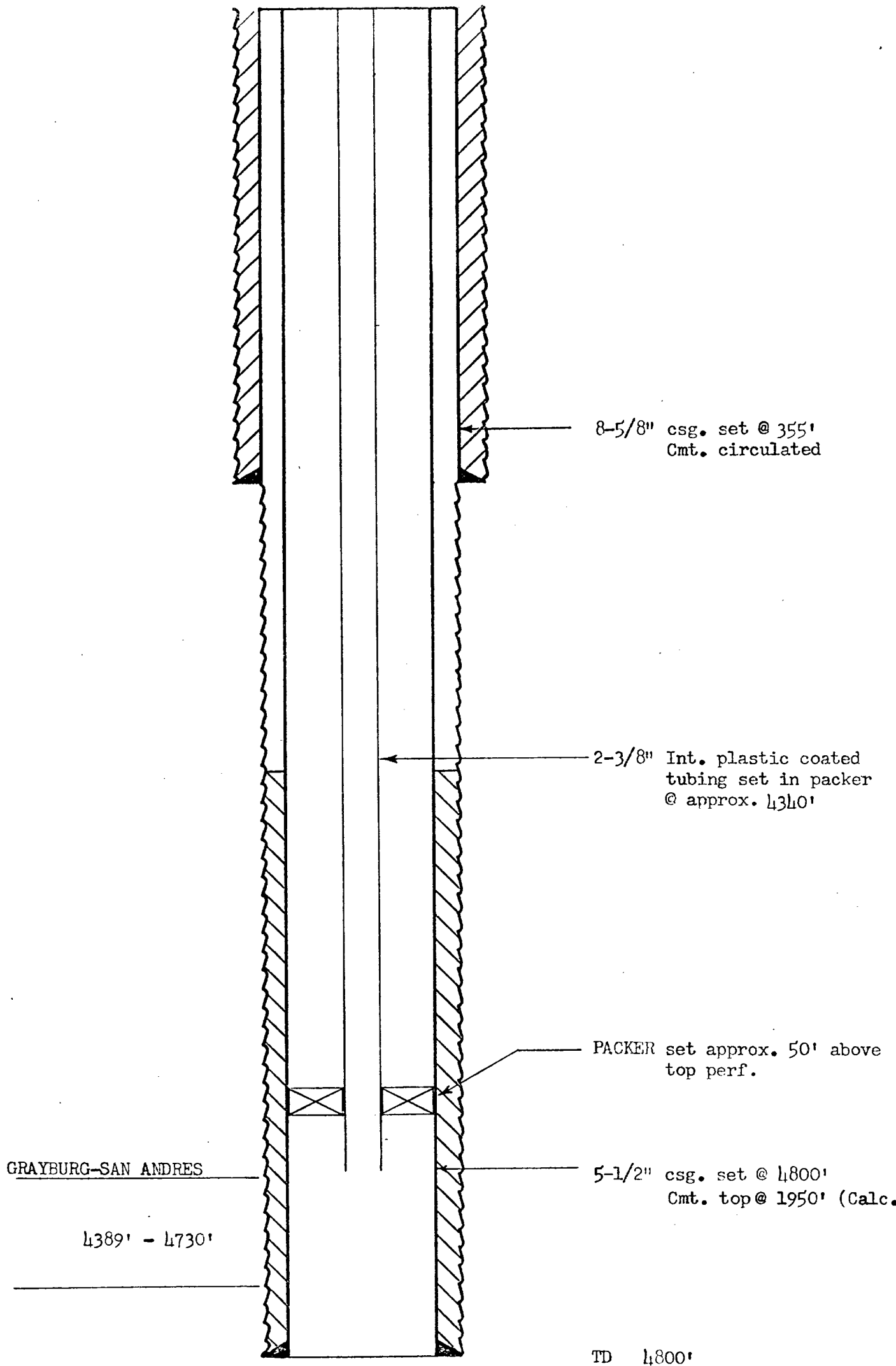
| <u>Unit Well No.</u> | <u>Unit Letter</u> | <u>Location</u> |
|----------------------|--------------------|---|
| 4 | M | Section 1, Township 18 South, Range 34 East |
| 11 | N | Section 1, Township 18 South, Range 34 East |
| 14 | K | Section 2, Township 18 South, Range 34 East |
| 16 | I | Section 2, Township 18 South, Range 34 East |
| 20 | J | Section 1, Township 18 South, Range 34 East |
| 26 | K | Section 1, Township 18 South, Range 34 East |
| 30 | K | Section 2, Township 18 South, Range 34 East |
| 32 | L | Section 1, Township 18 South, Range 34 East |
| 34 | J | Section 1, Township 18 South, Range 34 East |
| 44 | F | Section 2, Township 18 South, Range 34 East |
| 46 | H | Section 2, Township 18 South, Range 34 East |
| 48 | F | Section 1, Township 18 South, Range 34 East |
| 50 | G | Section 1, Township 18 South, Range 34 East |



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 50
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

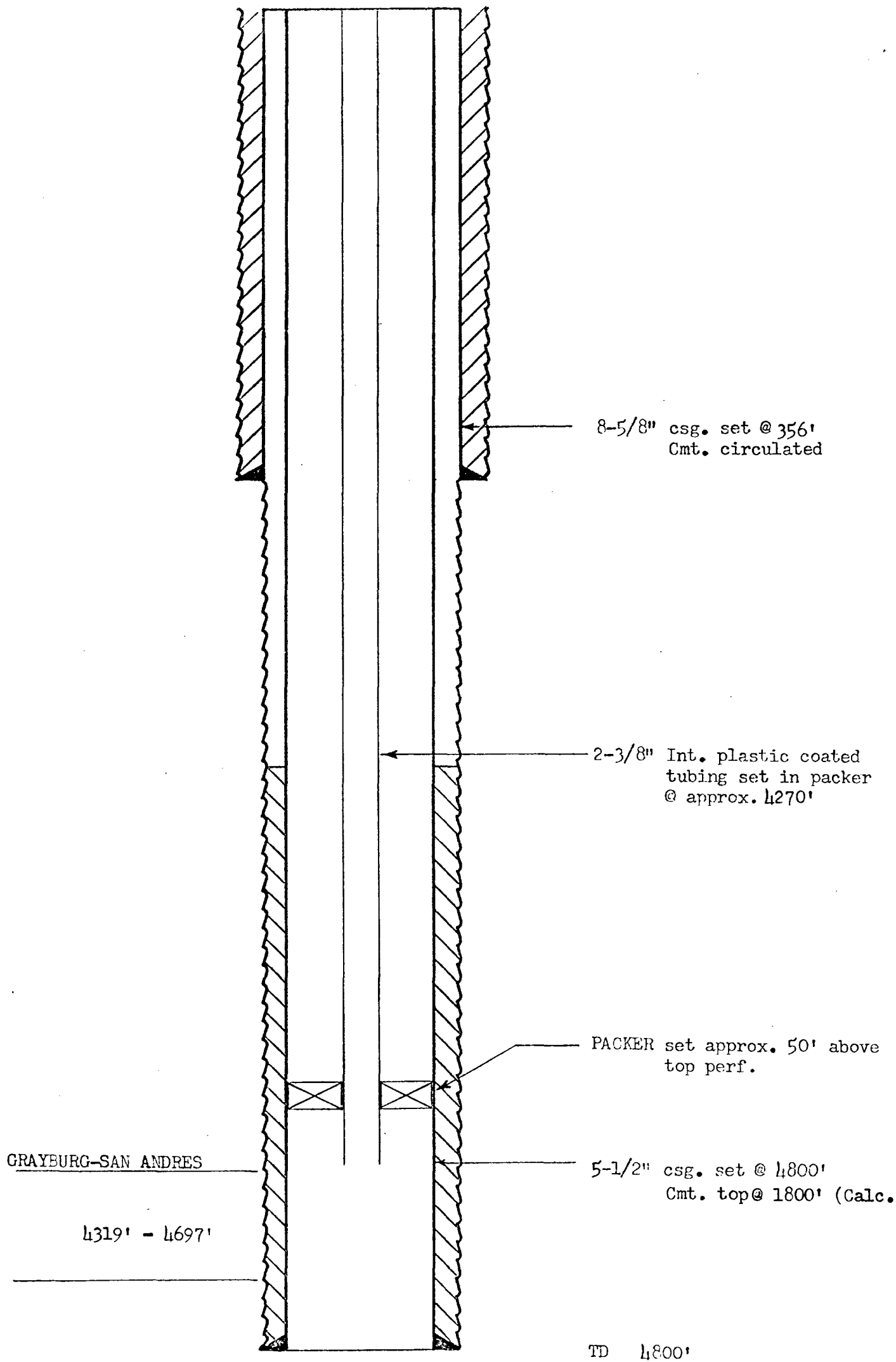
4-3-81



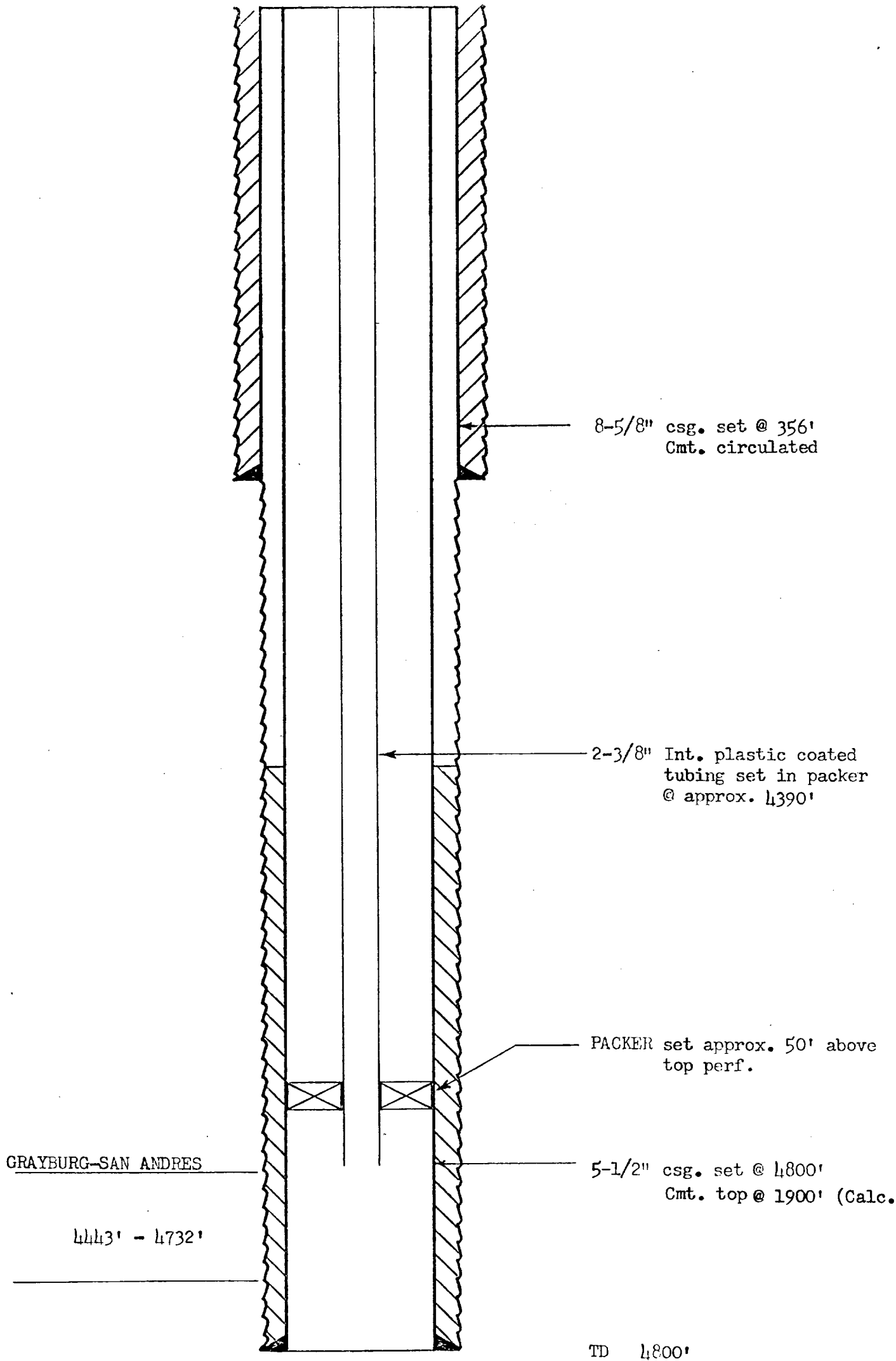
PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 48
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

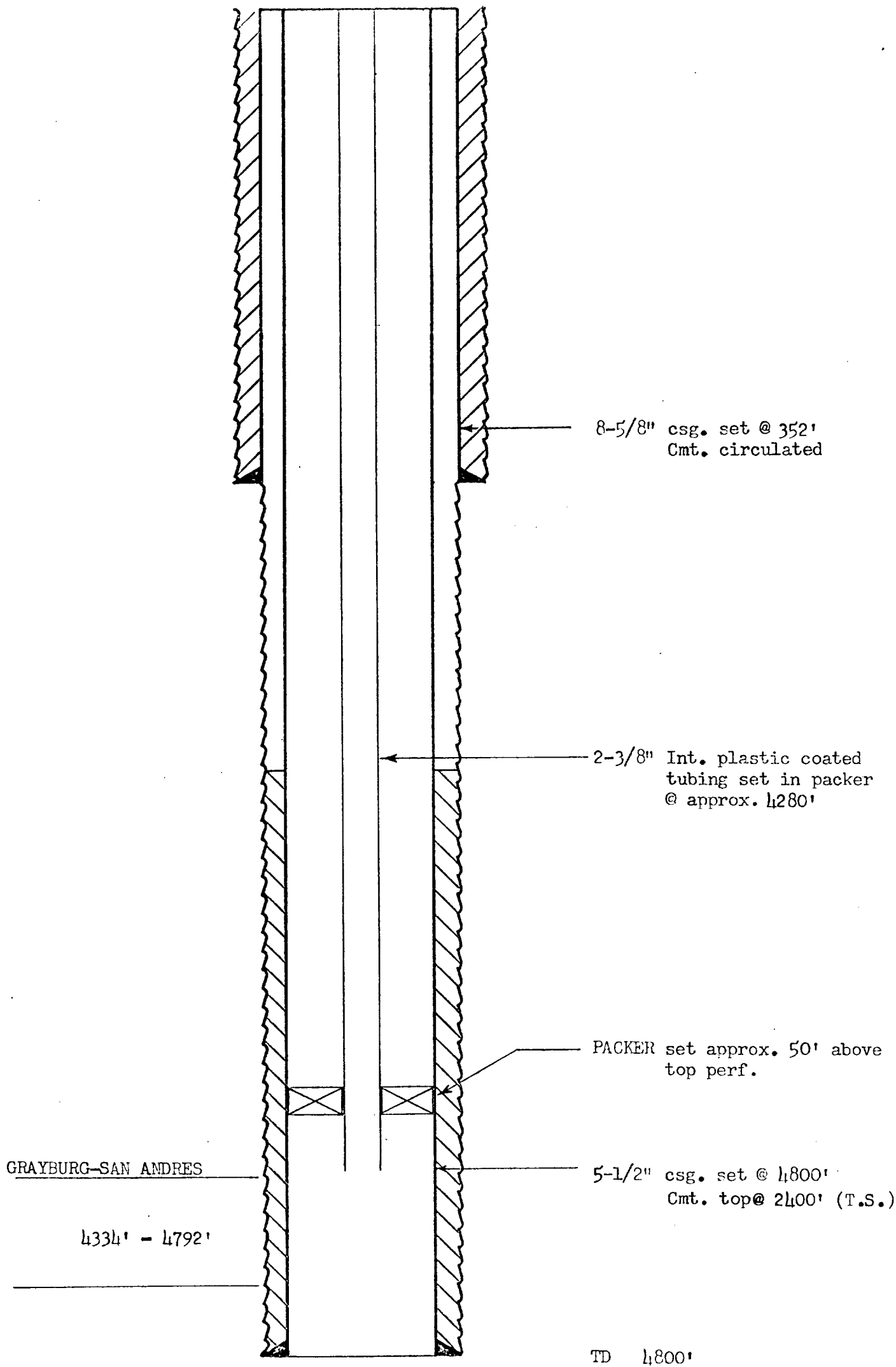
4-3-81



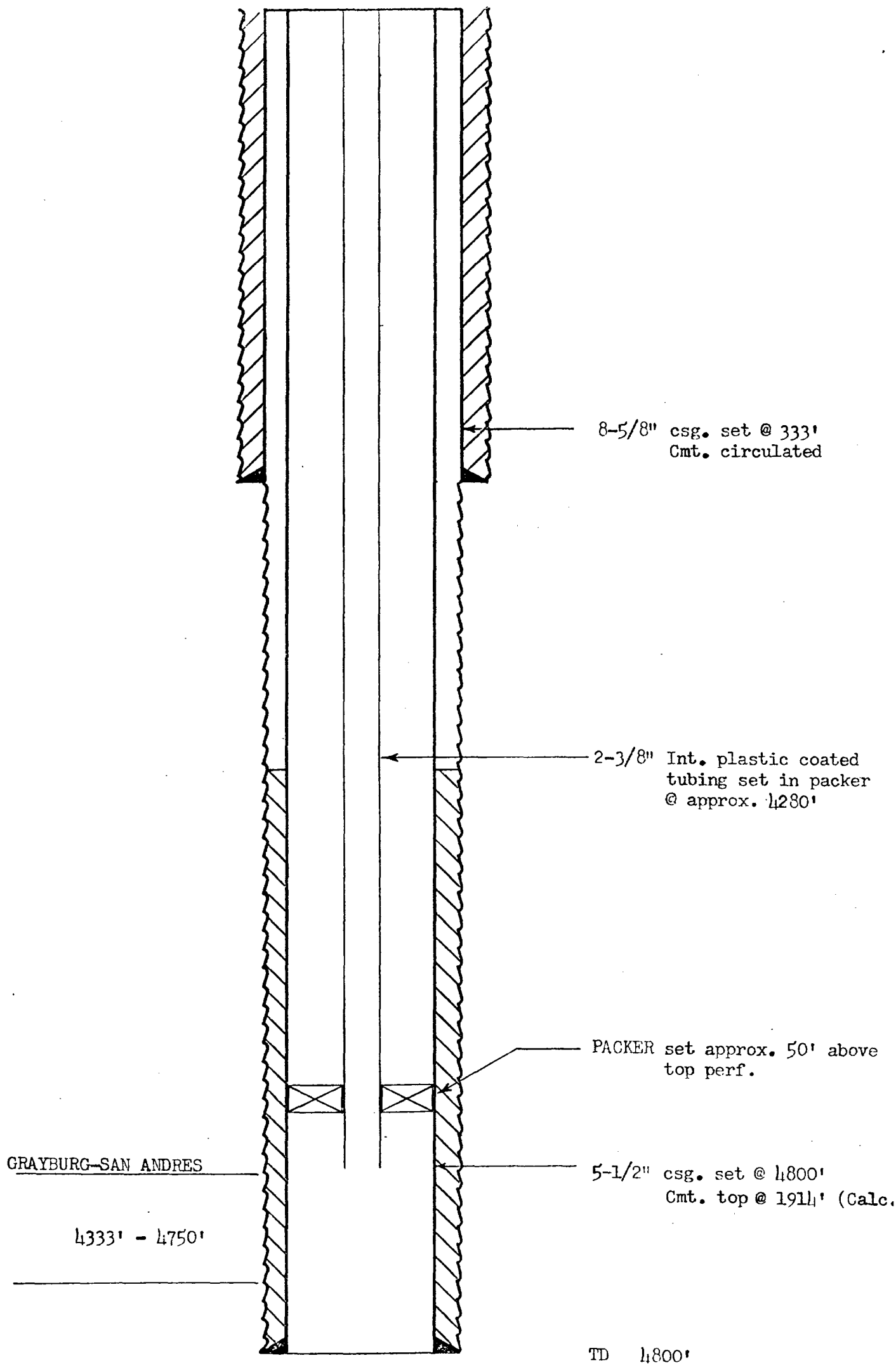
PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 46
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 11
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO



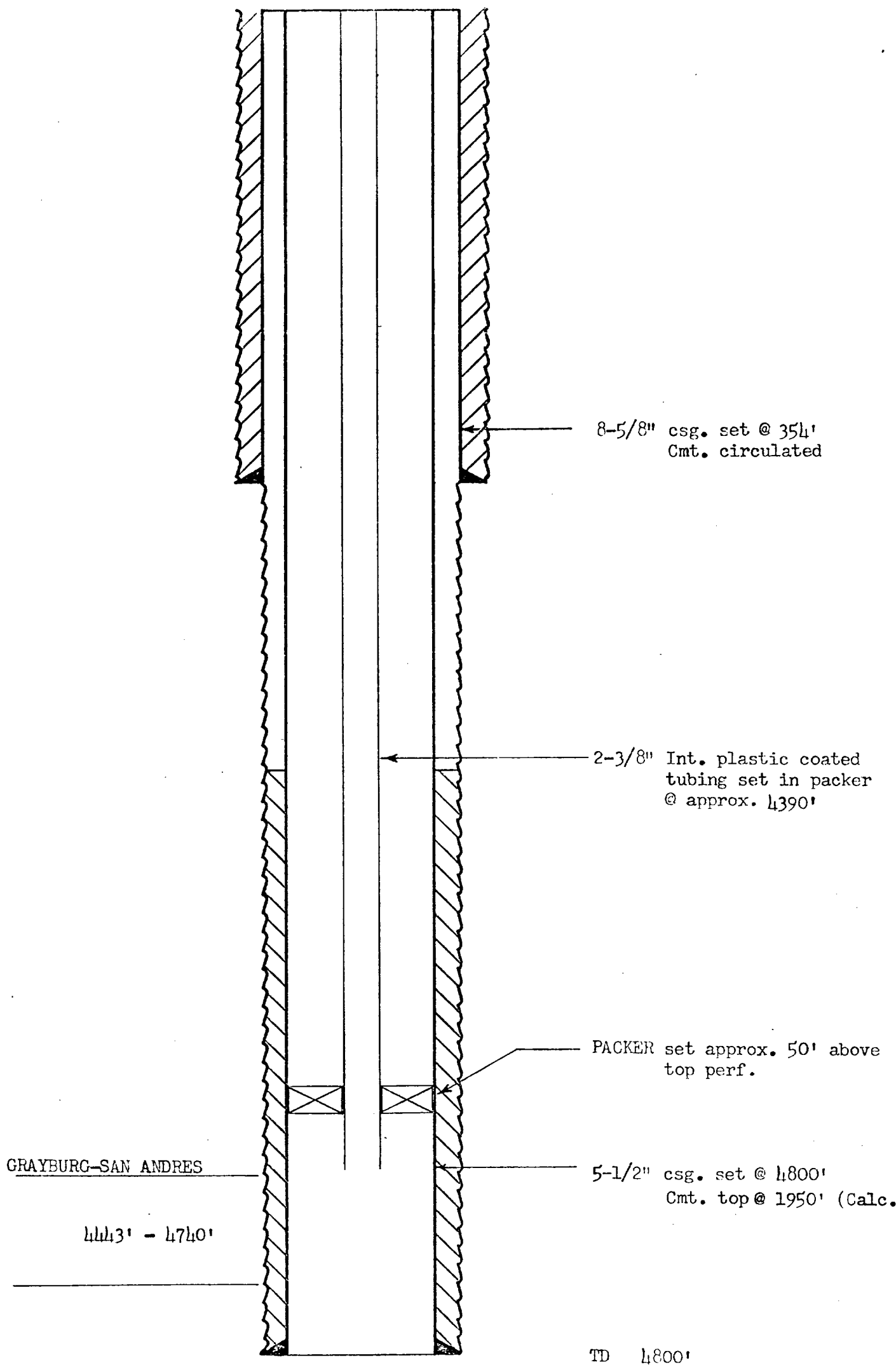
PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 34
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO



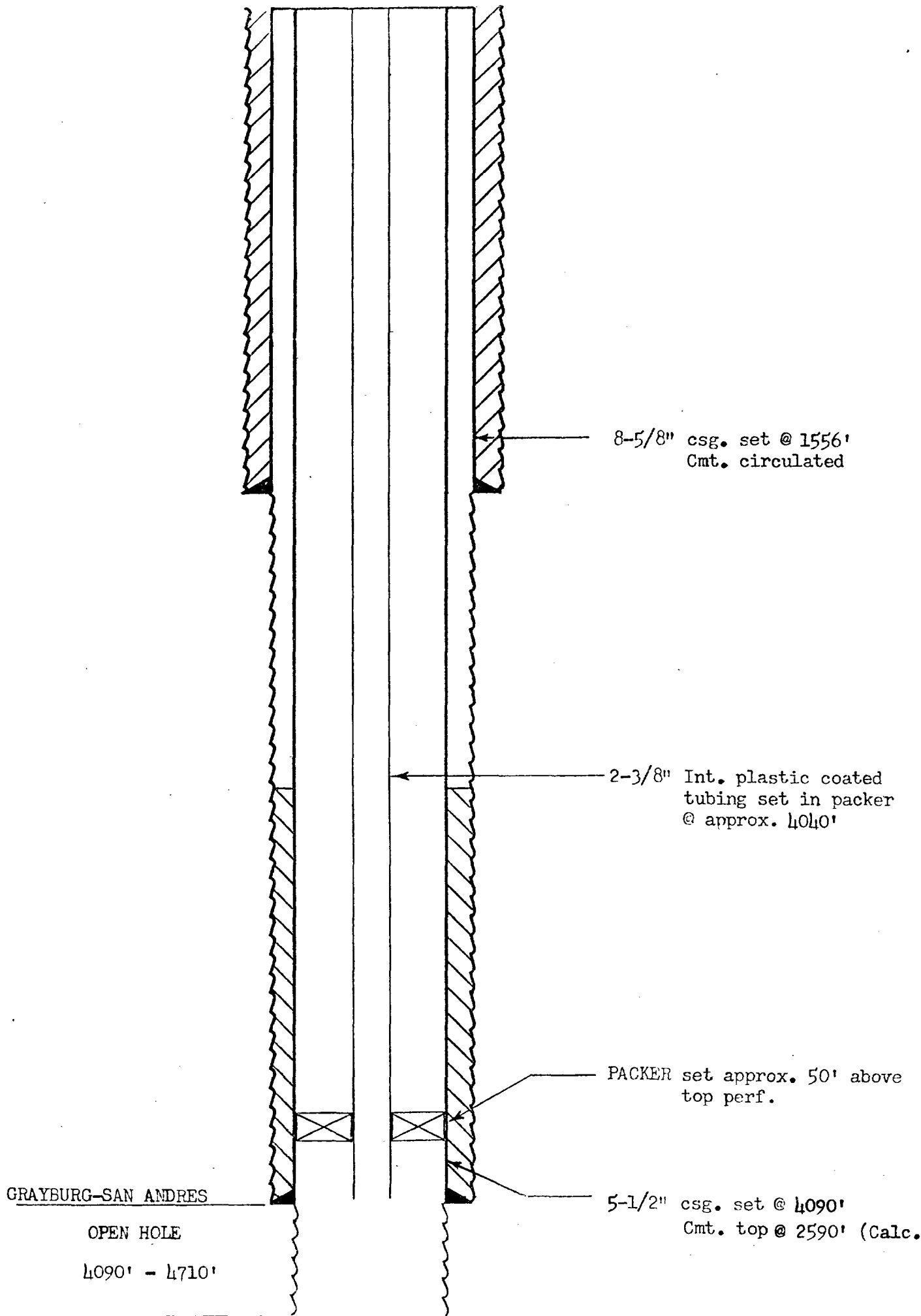
PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 32
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

4-3-81



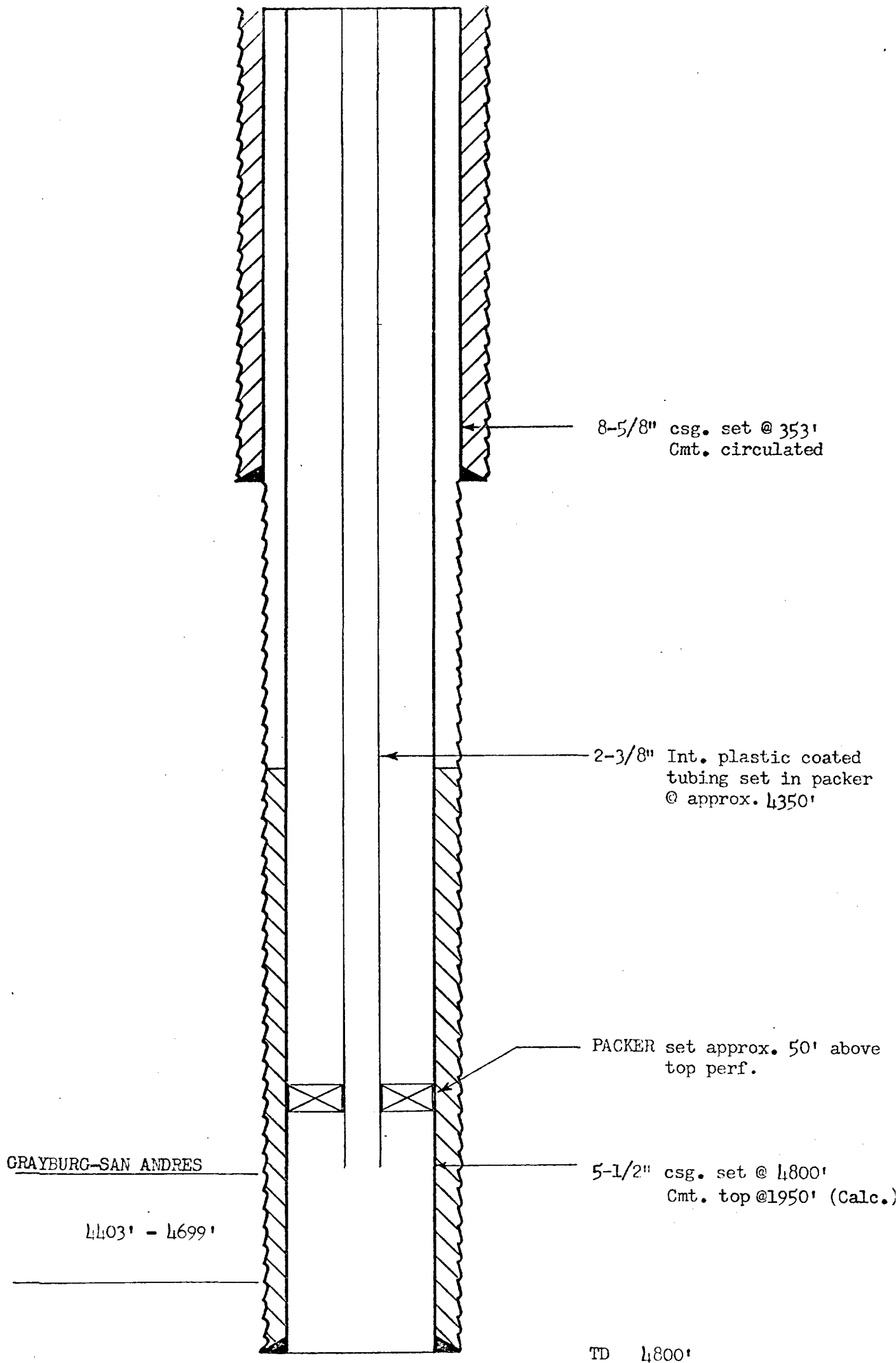
PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 30
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 26
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

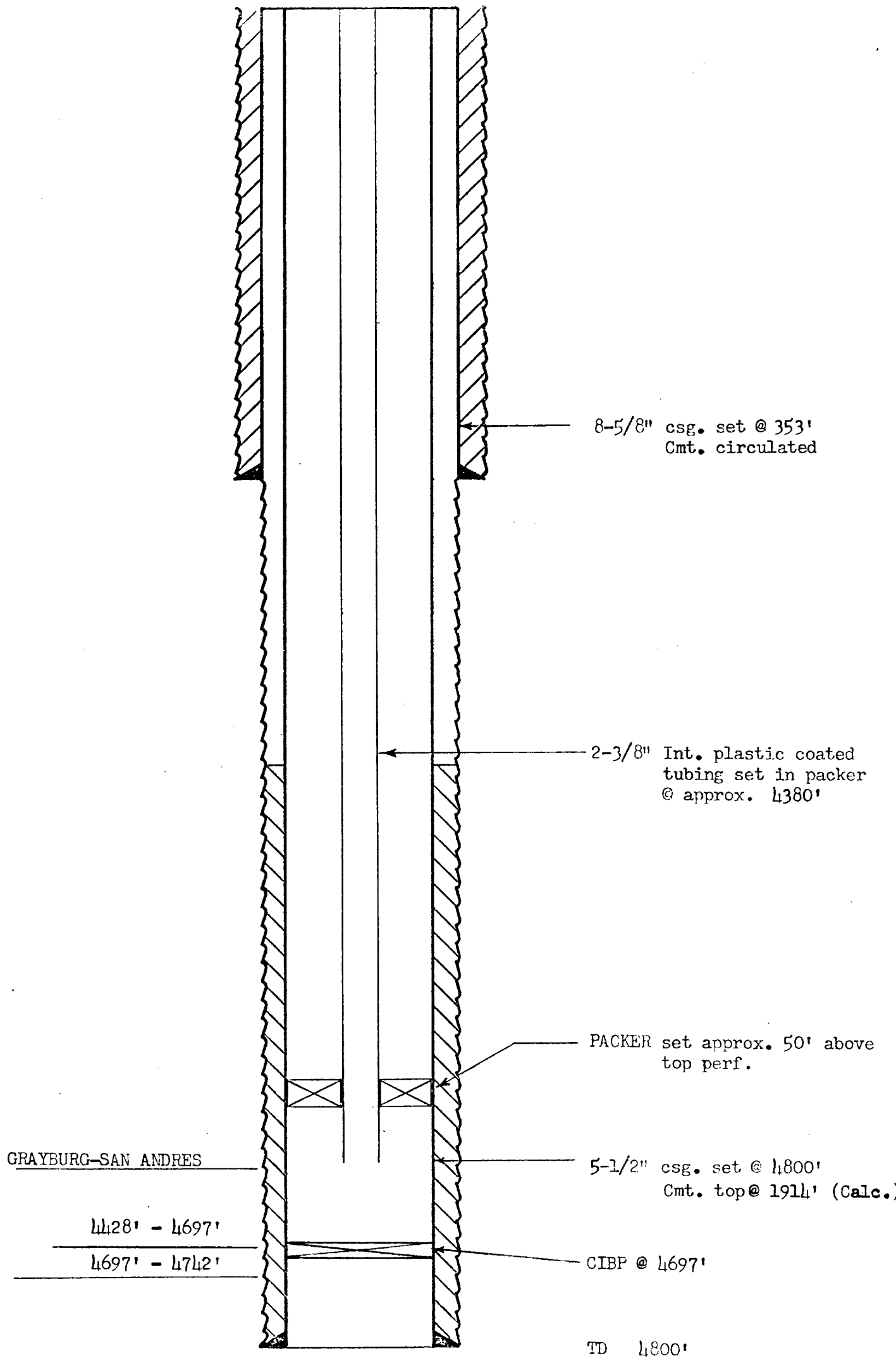
4-3-81



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 20
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

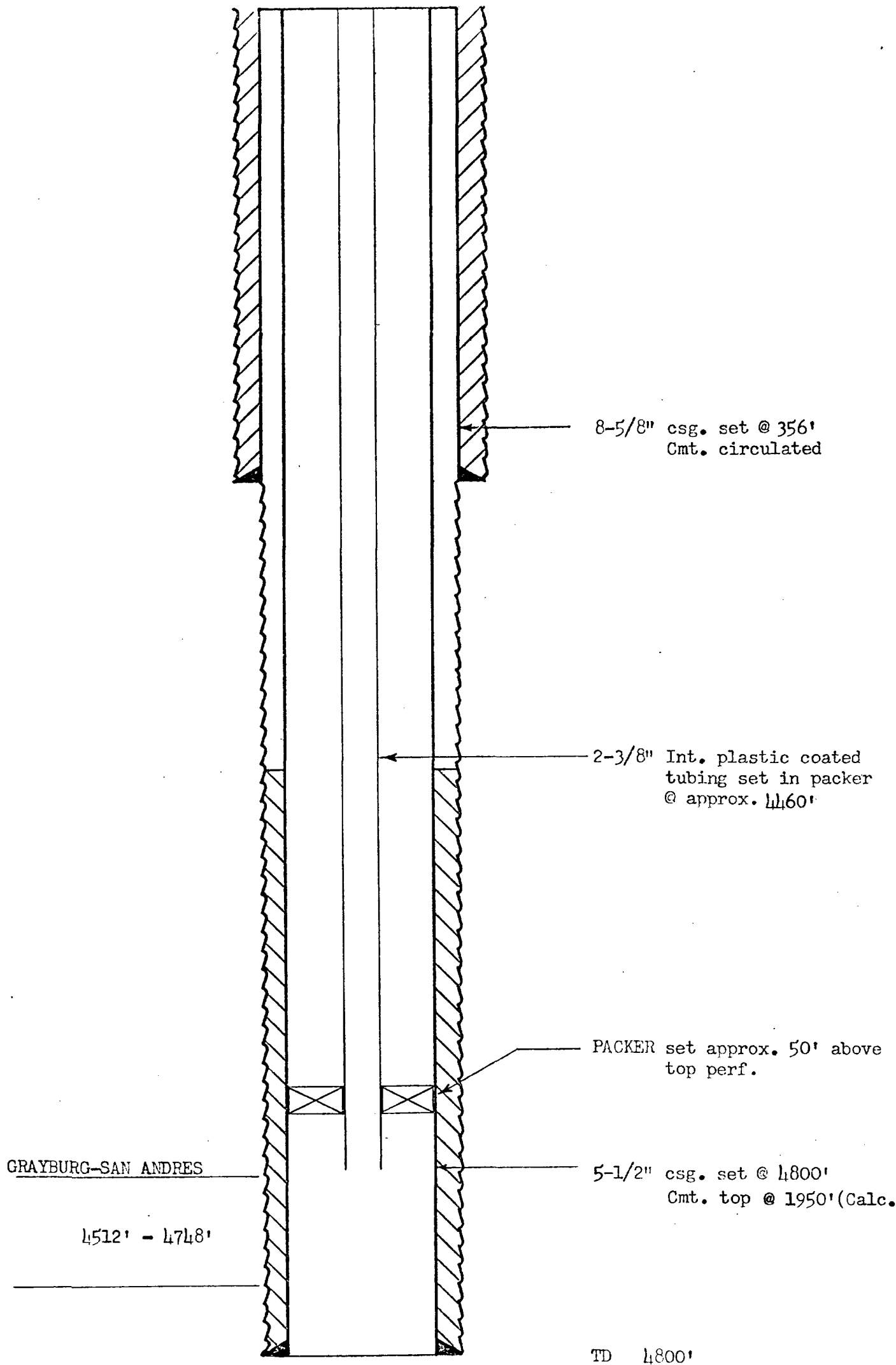
4-3-81



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 16
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

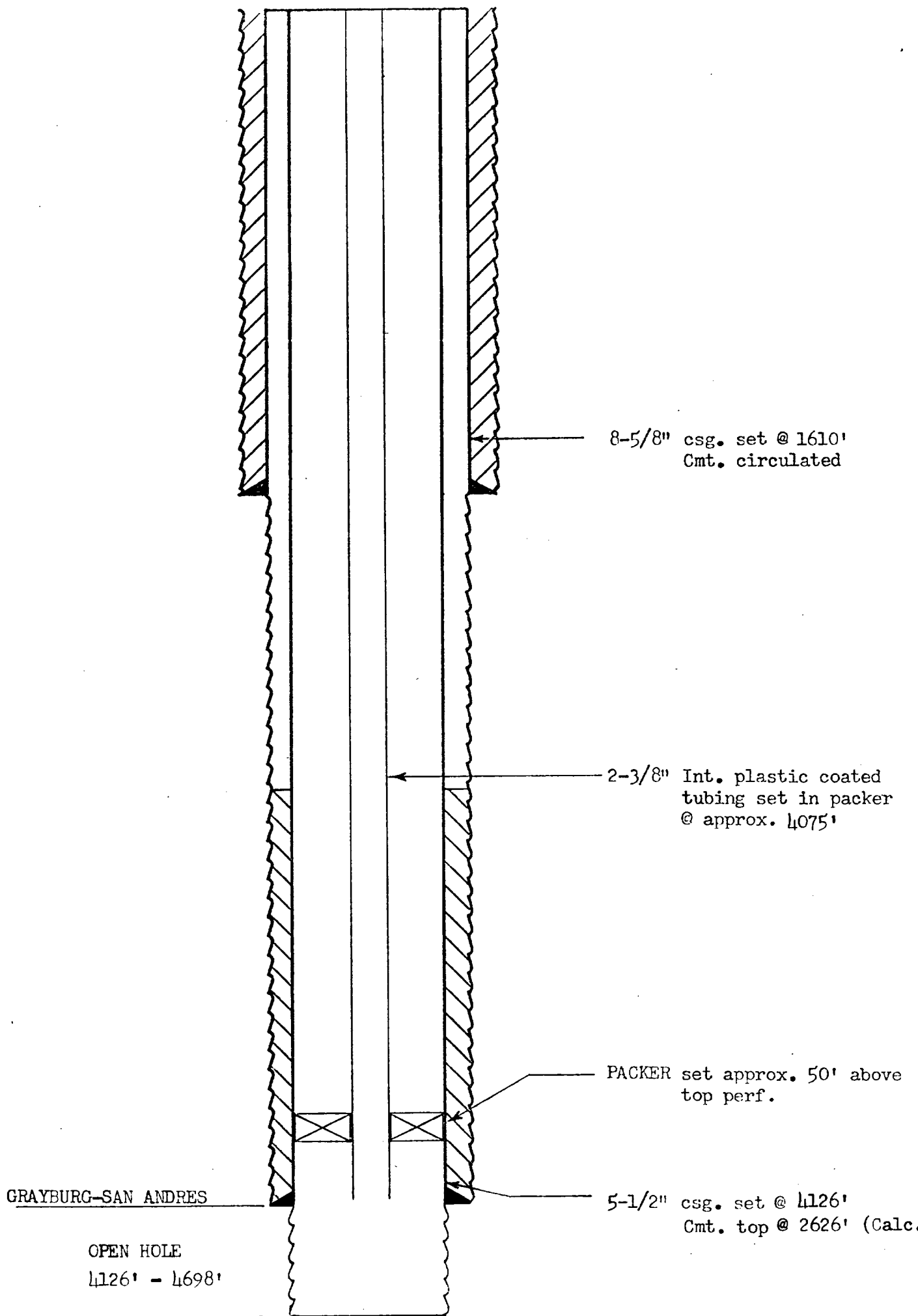
4-3-81



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 11
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

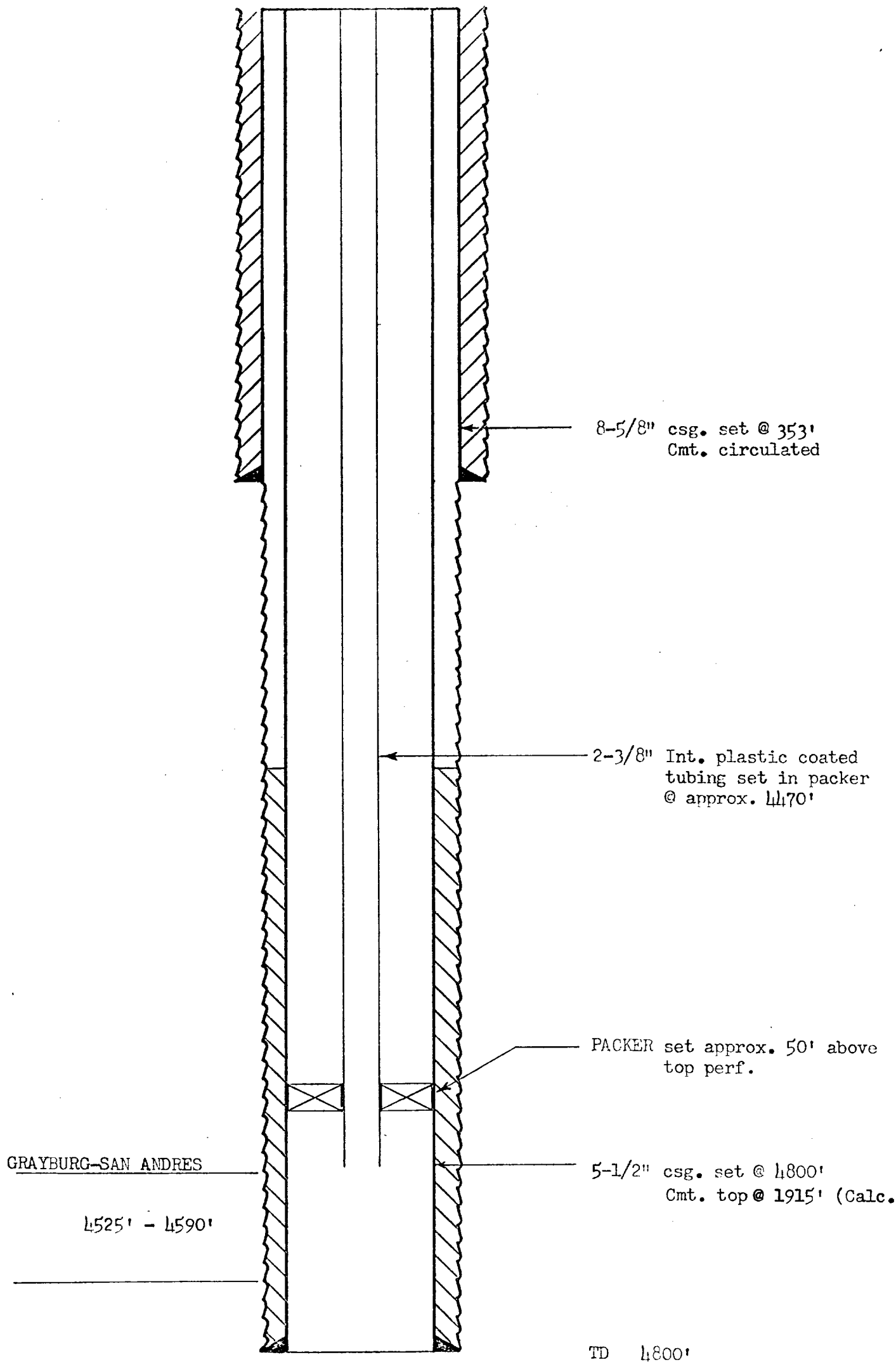
4-3-81



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 11
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

4-3-81



PROPOSED
INJECTION WELL
TEXACO Inc.
VACUUM GRAYBURG-S.A. UNIT NO. 4
VACUUM (GRAYBURG-S.A.) FIELD
LEA COUNTY, NEW MEXICO

RJB/CRC

4-3-81

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



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT

TEXACO
U.S.A.
A DIVISION OF TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79702

April 14, 1981

Energy and Mineral Department
Oil Conservation Division
P. O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Attention: Mr. Joe Ramey

Gentlemen:

Reference is made to the March 30, 1981 letter requesting information as to the current status of the Texaco Operated Central Vacuum Unit #119. The Central Vacuum Unit #119 was plugged and abandoned and the Central Vacuum Unit #152 was drilled as a replacement well for Central Vacuum Unit #119.

All necessary information concerning the plugging and abandonment of Central Vacuum Unit #119 will be forwarded to your office as soon as it is assembled.

Yours very truly,

ALAN R. McDANIEL
DIVISION MANAGER

By *R. V. Shoemaker*
R. V. Shoemaker
Gas Engr. & Sales Manager

JLS:jg



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

April 30, 1981

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

J. V. Gannon
District Superintendent
Texaco Inc.
Drawer 728
Hobbs, New Mexico 88240

Dear Mr. Gannon:

The Division has received your request dated April 8, 1981, for approval to convert 13 wells for injection in the Vacuum Grayburg-San Andres Unit.

No action is contemplated on this application at this time due to the status of remedial work needed on a number of Texaco's wells in the Vacuum Pool. Based upon a recent report I requested from our Hobbs office, there are 12 wells in or within the immediate vicinity of the Unit and 25 other wells in the general area in need of repair to correct water and/or oil flows.

At this time there appear to be three possible courses of action leading to resolution of this matter being:

- (1) prompt completion of the workovers by Texaco; or,
- (2) establishment of a repair schedule with and acceptable to Jerry Sexton, Supervisor of the Hobbs district office; or,
- (3) setting of the entire matter for hearing.

If there are any questions on this matter or if you have an alternative proposal for resolution of this problem, please do not hesitate to call upon me.

Yours very truly,

JOE D. RAMEY
Director

JDR/RLS/fd

cc: Jerry Sexton

OIL CONSERVATION DIVISION
DISTRICT I

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

DATE April 13, 1981

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed NSP _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX X _____

Gentlemen:

I have examined the application for the:

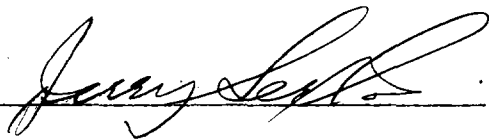
Texaco Inc. Vacuum Gray., SA Unit #4, 11, 1r, 16, 20, 26, 30, 32, 34, 44, 46, 48, 50
Operator _____ Lease and Well No. _____ Unit, S - T - R Secs. 1 & 2-18-34

and my recommendations are as follows:

To hold until all remedial work is completed----J.S.

Nos. 14, 20, 44, 46, & 50 previously approved by PMX-43----mc

Yours very truly,



/mc



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

July 13, 1981

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

Mr. R. L. Stamets
Technical Support Chief
Oil Conservation Division
Box 2088
Santa Fe, New Mexico 87501

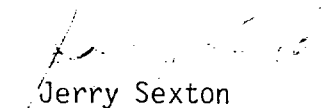
Dear Mr. Stamets:

We have reviewed Texaco's progress on repair work in the Vacuum Area, and find they have satisfactorily completed all work required on Unit wells after the 1980 bradenhead survey and have completed the major portion of the required work on deeper wells in the immediate area.

Therefore, the Hobbs District Office has no objection to the approval of Texaco's request for the conversion of 13 wells to injection in their Vacuum Grayburg-San Andres Unit.

Very truly yours,

OIL CONSERVATION DIVISION


Jerry Sexton
Supervisor, District I

JS/ed

cc: J. V. Gannon

TEXACO INC.
VACUUM AREA

STATUS OF REPAIR WORK 4-20-81

Repair work has been completed on 32 wells.

Have notice of intent to repair the following but no work has been done as of this date:

| | | | |
|---------------------|-------|---------------------------|------------------|
| Vacuum GB-SA Unit | #6-M | 2-18-34 | Water flow |
| " | #7-N | " | " |
| " | 1-A | 11-18-34 | " |
| West Vacuum Unit | 17-H | 33-17-34 | " |
| " | 35-N | 34-17-34 | " |
| " | 41-B | 4-18-34 | " |
| " | 44-C | 3-18-34 | " |
| " | 49-H | " | " |
| Central Vacuum Unit | 8-H | 30-17-35 | " |
| " | 11-E | " | " |
| " | 12-H | 25-17-34 | " |
| New Mexico L St. | 8Y-G | 1-18-34 (Intent to P&A) | " |
| New Mex Q St. | 5-O | 25-17-34 | " |
| New Mex T St. NCT-1 | * 2-H | 25-17-34 | " |
| New Mex O St. NCT-1 | 17-N | 36-17-34 | " |
| New Mex O St. NCT-1 | 22-M | 36-17-34 | " |
| " | 23-O | " | " |
| New Mex AB St. | 5-J | 6-18-35 (letter from Joe) | oil flow inter. |
| New Mex AE St. | 24-H | 11-18-34 | oil & water flow |
| " | 25-B | " | oil flow inter |
| New Mex R St. NCT-1 | 7-G | 6-18-35 | oil flow inter |
| New Mex R St. NCT-3 | 16-I | 1-18-34 | oil flow inter |

Have not received notice of intent to repair the following:

| | | | |
|--------------------------|----------------|---|-----------------------|
| New Mex N St. | 5-M | 30-17-35 | water flow |
| " | 6-L | " | water flow |
| New Mex CG St. NCT-2 | * 1-F | 29-17-35 (unable to pump into this well see note *) | waterflow |
| New Mex Q St. | 5-O | 25-17-34 | water flow |
| New Mex W St. NCT-1 | 2-J | 13-17-34 | water flow |
| Vacuum GB-SA Ut. | 60-D | 2-18-34 | casing leak |

(* Unable to pump into these wells per conversation w/J.Sexton 8-5-80 - they can pick one well and perforate to see if it is salted off and monitor them every 6 months.)