

UNIT AGREEMENT

**LOVINGTON PADDOCK
UNIT**

LEA COUNTY, NEW MEXICO

SKELLY OIL CO.

EXHIBIT NO. 1

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
SKELLY	EXHIBIT NO. <u>1</u>
CASE NO.	<u>3466</u>

UNIT AGREEMENT
LOVINGTON PADDOCK UNIT
LEA COUNTY, NEW MEXICO

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CERTIFICATION-DETERMINATION

Pursuant to the authority vested in the Secretary of Interior, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the Director of the Geological Survey pursuant to Departmental Order No. 2365 of October 8, 1947, I do hereby:

A. Approve the attached agreement for the development and operation of the Lovington Paddock Unit Area, State of New Mexico.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Dated _____

Director, United States
Geological Survey

CERTIFICATE OF APPROVAL

COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO

LOVINGTON PADDOCK UNIT, LEA COUNTY, NEW MEXICO

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, the attached Agreement for the development and operation of acreage which is described within the attached Agreement, dated _____, which has been executed, or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said Agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary Institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the state, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 7-11-39, 7-11-40, 7-11-41, 7-11-47, and 7-11-48, New Mexico Statutes Annotated, 1953 Compilation, I, the undersigned, Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said Agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said Agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed this _____ day of _____, 1966.

COMMISSIONER OF PUBLIC LANDS
of the State of New Mexico

UNIT AGREEMENT
LOVINGTON PADDOCK UNIT
LEA COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the 1st day of June, 1966, by and between the parties subscribing, ratifying or consenting hereto, and herein referred to as "parties hereto."

WITNESSETH: That,

WHEREAS, the parties hereto are the owners of working, royalty or other oil or gas interests in the land subject to this agreement; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Sec. 3, Chap. 88, Laws 1943, as amended by Sec. 1 of Chap. 162, Laws of 1951, Chap. 7, Art. 11, Sec. 39, N.M.S. 1953 anno.) to consent to or approve this agreement on behalf of the State of New Mexico, insofar as it covers and includes lands and mineral interests of the State of New Mexico; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Sec. 3, Chap. 88, Laws of 1943, as amended by Sec. 1, Chap. 162, Laws of 1951, Chap. 7, Art. 11, Sec. 41, N.M.S. 1953 anno.) to amend with the approval of the lessee, any oil and gas lease embracing State lands so that the length of the term of said lease may coincide with the term of such unitized development and operation of State lands; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by law (Chap. 72, Laws of 1935, as amended by Chap. 193, Laws of 1937, Chap. 166, Laws of 1941, and Chap. 168, Laws of 1949) to approve this agreement and the conservation provisions hereof; and

WHEREAS, the Mineral Leasing Act of February 25, 1920 (41 Stat. 437, as amended, 30 U.S.C. Sections 181 et seq.)

authorizes Federal lessees and their representatives to unite with each other or jointly or separately with others in collectively adopting and operating a co-operative or unit plan of development or operation of any oil or gas pool, field or like area or any part thereof for the purpose of more properly conserving the natural resources thereof whenever determined and certified by the Secretary of the Interior to be necessary or advisable in the public interest; and

WHEREAS, the parties hereto hold sufficient interests in the Lovington Paddock Unit, as that term is defined hereinafter, to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to enable institution and consummation of secondary recovery operations, conserve natural resources, prevent waste and secure the other benefits obtainable through development and operation of the area subject to this agreement under the terms, conditions and limitations herein set forth.

NOW, THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this agreement their entire respective interests in the Unitized Formation underlying the Unit Area (as those terms are defined hereinafter), and agree severally among themselves as follows:

1. ENABLING ACT AND REGULATIONS: The Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid, pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder and valid, pertinent and reasonable regulations hereafter issued thereunder are accepted and made a part of this agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this agreement; and as to non-Federal lands, the oil and gas operating regulations in effect as of the effective date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of the State in which the non-Federal land is located, are hereby accepted and made a part of this agreement.

2. DEFINITIONS. For the purpose of this agreement, the following terms and expressions as used herein shall mean:

(a) "Commission" means the Oil Conservation Commission of the State of New Mexico.

(b) "Commissioner" means the Commissioner of Public Lands of the State of New Mexico.

(c) "Director" is defined as the Director of the United States Geological Survey.

(d) "Secretary" is defined as the Secretary of the Interior of the United States of America.

(e) "Department" is defined as the Department of the Interior of the United States of America.

(f) "Supervisor" is defined as the Oil and Gas Supervisor of the United States Geological Survey.

(g) "Royalty Interest" or "Royalty" means a right to or interest in any portion of the Unitized Substances or proceeds thereof other than a Working Interest.

(h) "Royalty Owner" means the owner of a Royalty Interest.

(i) "Tract" means each parcel of land described as such and given a Tract number in Exhibit B.

(j) "Tract Participation" means the percentages shown on Exhibit B, for allocating Unitized Substances to a Tract under this agreement.

(k) "Unit Area" means the lands shown on Exhibit A and described by Tracts in Exhibit B as to which this agreement becomes effective or to which it may be extended as herein provided.

(l) "Unit Operating Agreement" means the agreement entitled "Unit Operating Agreement, Lovington Paddock Unit, Lea County, New Mexico", of the same effective date as this agreement, and which is entered into by Working Interest Owners.

(m) "Unit Participation" of each Working Interest Owner means the sum of the percentages obtained by multiplying the Working Interest of such Working Interest Owner in each Tract by the Tract Participation of such Tract.

(n) "Unitized Formation" means the Lovington Glorieta (Paddock) Formation underlying the Unit Area, the same being the heretofore established underground reservoir which has been found to occur between the depths of 6010 feet and 6838 feet in Skelly Oil Company's State "O" No. 12 well (1650' FSL, 2310' FEL Section 31-T16S-R37E, Lea County, New Mexico) as indicated by Schlumberger's E. S. Gamma Ray log, run No. 1, taken August 9, 1952, said log being measured from a derrick floor elevation of 3829 feet above sea level.

(o) "Unitized Substances" means all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

(p) "Voting Interest" of a Working Interest Owner, unless provided otherwise hereinafter, means such Working Interest Owner's Phase III Unit Participation as same is set out in Exhibit C of the Unit Operating Agreement.

(q) "Working Interest" means an interest in Unitized Substances by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, which interest is chargeable with and obligated to pay or bear, either in cash or out of production or otherwise, all or a portion of the cost of drilling, developing, producing and operating the Unitized Formation.

(r) "Working Interest Owner" means a party hereto who owns a Working Interest. The owner of oil and gas rights that are free of lease or other instrument conveying the Working Interest to another shall be regarded as a Working Interest Owner to the extent of seven-eighths (7/8) of his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

(s) "Unit Operations" means all operations conducted by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of the development and operations of the Unitized Formation for the production of Unitized Substances.

(t) "Usable Well" means a well which, in accordance with good oil field practice, is adequately equipped so that the Unitized Formation is effectively separated from other producing formations as required by the Commission, and which well is in condition to permit production of Unitized Substances to the surface by conventional production methods.

(u) Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural include the singular, and the neuter gender include the masculine and the feminine.

3. EXHIBITS. The following Exhibits are incorporated herein and made a part hereof:

(a) Exhibit A attached hereto is a map showing, to the extent known to Unit Operator, the Unit Area and the boundaries and identity of Tracts and leases in said Unit Area.

(b) Exhibit B attached hereto is a schedule describing each Tract included within the Unit Area and showing the Tract Participation of each such Tract.

Whenever reference herein or in the Unit Operating Agreement is made to an Exhibit, the reference is to the Exhibit as originally attached or, if revised, to the latest revision.

The description and ownership of the respective Tracts have been established by using the best information available. If it subsequently appears that clerical errors, including errors in

Tract Ownership or mechanical miscalculations have been made, Unit Operator shall revise the Exhibits to conform with the facts. The revision shall not include any re-evaluation of engineering or geological interpretations used in determining Tract Participations. Errors and miscalculations discovered prior to the effective date of this agreement shall be corrected by Unit Operator in the first revision of Exhibits following the effective date and said first revisions shall be effective as of the effective date of this agreement. The correction of any error other than a correction of a clerical or mechanical error shall be made by Unit Operator only after first having obtained approval of Working Interest Owners and the Commissioner.

Exhibits A and B shall be revised by Unit Operator whenever changes render such revision necessary. If an Exhibit is revised pursuant to this agreement, Unit Operator shall certify and file copies of the revised Exhibit with the Commissioner and the Supervisor, and one (1) copy for record with the County Clerk, Lea County, New Mexico. Except as specified above, a revised Exhibit shall become effective on such date as may be determined by the Working Interest Owners and set forth on said revised Exhibit.

4. CREATION AND EFFECT OF UNIT. Subject to the terms and conditions of this agreement, all of the rights of the Royalty Owners, on the one hand, and of the Working Interest Owners, on the other hand, in and to the Unit Area, and all leases and lands comprising the Unit Area, and all surface rights necessary or convenient in connection with Unit Operations contemplated by this agreement, are hereby combined and unitized, insofar as such rights, leases and lands pertain to and affect the Unitized Formation as defined in Section 2 (n) of this agreement, and the Unitized Substances therein, to the same extent as if such rights, leases and lands, as so limited, were included in a single lease executed by all Royalty Owners as lessors, in favor of all Working Interest Owners as lessees, and as if said lease had been subject

to all of the terms and conditions of this agreement. The name of the Unit hereby created shall be the Lovington Paddock Unit.

5. ENLARGEMENTS OF UNIT AREA. The Unit Area may be enlarged to include therein any additional tract or tracts reasonably proved to be productive of Unitized Substances and regarded as reasonably necessary or advisable for the purposes of this agreement. The Working Interest Owner or Owners of a Tract or Tracts desiring to bring such Tract or Tracts into this Unit, may file an application therefor with Unit Operator requesting such admission. Tract Participations resulting from such enlargement shall be on a negotiated basis and, after agreement between the affected parties has been reached, such enlargement shall be effected in the following manner:

(a) Unit Operator, after approval of at least seventy percent (70%) of the then Voting Interests and after preliminary concurrence of the Commissioner, shall prepare a notice of proposed enlargement describing the contemplated changes in the boundaries of the Unit Area, the reasons therefor, and the proposed effective date thereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Commissioner and the Supervisor, and copies thereof mailed to the last known address of each Working Interest Owner and the owners of Working and Royalty Interests in the Tract being considered for inclusion advising that 30 days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the 30-day period provided in the preceding item (b) hereof, Unit Operator shall file with the Commissioner evidence of mailing of the notice of expansion and a copy of any objections thereto which have been filed with the Unit Operator, together with an application in sufficient number for approval by the Commissioner of such enlargement and with appropriate joinders.

(d) After due consideration of all pertinent information and upon the approval by the Commissioner, the enlargement shall become effective as of the date prescribed in the notice thereof.

In any approved expansion of the Unit Area, the revised Tract Participations of those Tracts which were committed prior to each such expansion shall remain in the same ratio one to another.

6. UNIT OPERATOR. Skelly Oil Company, a Delaware corporation, is hereby designated as the Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties

and obligations of Unit Operator for the development and production of Unitized Substances as herein provided. Whenever reference is made herein to the "Unit Operator", such reference means the Unit Operator acting in that capacity and not as an owner of interest in Unitized Substances, and the term "Working Interest Owner" when used herein shall include or refer to Unit Operator as the owner of a Working Interest when such interest is owned by it.

7. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of 6 months after notice of intention to resign has been served by Unit Operator on all Working Interest Owners, the Commissioner and the Supervisor, and until all wells then drilled hereunder are placed in satisfactory condition for suspension or abandonment, whichever is required by the Supervisor as to Federal lands and the Commission as to State lands, unless a New Unit Operator shall have been selected and approved and shall have taken over and assumed the duties and obligations of Unit Operator prior to the expiration of said period.

The Unit Operator may, upon default or failure in the performance of its duties or obligations hereunder, be subject to removal by affirmative vote of at least eighty-five percent (85%) of the Voting Interests remaining after excluding the Voting Interest of Unit Operator. Such removal shall be effective upon notice thereof to the Commissioner and the Supervisor.

In all such instances of resignation or removal, until a successor Unit Operator is selected and approved, as hereinafter provided, the Working Interest Owners shall be jointly responsible for the performance of the duties of Unit Operator and shall, not later than 30 days before such resignation or removal becomes effective, appoint a common agent to represent them in any action to be taken hereunder.

The resignation or removal of Unit Operator under this agreement shall not terminate its right, title or interest as the owner of a Working Interest or other interests in Unitized Substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all equipment, materials and appurtenances used in conducting the Unit Operations owned by the Working Interest Owners to the new duly qualified successor Unit Operator, or to the owners thereof if no such new Unit Operator is elected, to be used for the purpose of conducting Unit Operations hereunder. Nothing herein shall be construed as authorizing removal of any material, equipment and appurtenances needed for the preservation of any wells.

The resignation or removal of Unit Operator shall not release Unit Operator from any liability or default by it hereunder occurring prior to the effective date of its resignation or removal.

8. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender his or its resignation as Unit Operator, or shall be removed as hereinabove provided, the Working Interest Owners shall, by affirmative vote of at least seventy-five percent (75%) of the Voting Interests, select a successor Unit Operator; provided, however, that should any Working Interest Owner own a Voting Interest of more than twenty-five percent (25%), the vote of said party shall not serve to disapprove the selection of a new Unit Operator approved by eighty percent (80%) or more of the Voting Interests of the remaining Working Interest Owners and provided, further, that the Unit Operator shall not vote to succeed itself. Such selection shall not become effective until (a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the Commissioner, and filed with the Supervisor.

9. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT.
All costs and expenses incurred by Unit Operator in conducting Unit Operations hereunder shall be apportioned among, borne and

paid by the Working Interest Owners, all in accordance with this agreement and the Unit Operating Agreement. Such Unit Operating Agreement shall also provide the manner in which the Working Interest Owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereunder in conformity with their underlying operating agreements, leases or other independent contracts and such other rights and obligations as between Unit Operator and the Working Interest Owners as may be agreed upon by the Unit Operator and the Working Interest Owners. However, the Unit Operating Agreement shall not be deemed either to modify the terms and conditions of this Unit Agreement or to relieve the Unit Operator of any right or obligation established under this Unit Agreement; in case of any inconsistency or conflict between the Unit Agreement and the Unit Operating Agreement, this agreement shall prevail. One (1) true copy of the Unit Operating Agreement shall be filed with the Commissioner and three (3) copies thereof shall be filed with the Supervisor.

10. RIGHTS AND OBLIGATIONS OF UNIT OPERATOR. Except as otherwise specifically provided herein, the exclusive right, privilege, and duty of exercising any and all rights of the parties hereto (including surface rights) which are necessary or convenient for the prospecting for, producing, storing, allocating, and distributing the Unitized Substances, are hereby granted and delegated to and shall be exercised by the Unit Operator as herein provided. Upon request therefor, acceptable evidence of title to said rights shall be deposited with said Unit Operator and, together with this agreement, shall constitute and define the rights, privileges, and obligations of Unit Operator. Nothing herein, however, shall be construed to transfer title to any land, lease, Royalty Interest, operating agreement or communitization agreement, it being understood that under this agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

11. EQUIPMENT AND FACILITIES NOT FIXTURES ATTACHED TO REALTY.

Each Working Interest Owner has heretofore placed and used on its Tract or Tracts committed to this agreement, various well and lease equipment and other property, equipment and facilities. It is also recognized that additional equipment and facilities may hereafter be placed and used upon the Unit Area as now or hereafter constituted. Therefore, for all purposes of this agreement any and all such equipment shall be considered to be personal property and not fixtures attached to realty. Accordingly, said well and lease equipment and personal property is hereby severed from the mineral estates affected by this agreement, and it is agreed that any and all such equipment and personal property shall be and remain personal property for all purposes.

12. PLAN OF FURTHER DEVELOPMENT AND OPERATION. It is recognized and agreed by the parties hereto that the object and purpose of this agreement is to formulate and to put into effect a secondary recovery project in order to effect the optimum recovery of Unitized Substances, prevent waste and conserve natural resources. The parties hereto agree that the Unit Operator may, subject to the consent and approval of a plan of operation by the Working Interest Owners and the Commissioner, inject into the Unitized Formation, through any well or wells completed therein, brine, water, air, gas, oil, liquefied petroleum gas, or any other substance or a combination of any of said substances, whether produced from the Unitized Formation or not, and that the location of input wells and the rates of injection therein shall be governed by standards of good petroleum engineering practices and conservation methods. This agreement is and shall be subject to the conservation laws of the State of New Mexico, to the valid rules, regulations and orders of the Commissioner and the Commission and to all other applicable federal, state and municipal laws, rules, regulations and orders. The parties hereto, subject to prior rights, if any, grant to

Unit Operator the use of brine or water or both from any formation in and under the Unit Area for injection into the Unitized Formation.

A plan of operation shall be filed with the Commissioner concurrently with the filing of this Unit Agreement for final approval. Said plan of operation shall be as complete and adequate as the Commissioner may determine to be necessary for timely operation consistent herewith. Reasonable diligence shall be exercised in complying with the obligations of the approved plan of operation.

The Unit Operator shall commence secondary recovery operations on the Unit Area within a reasonable time after the effective date of this agreement and shall carry on such operations as would a reasonably prudent operator under the same or similar circumstances.

The Working Interest Owners, the Supervisor and the Commissioner shall be furnished periodic reports on the progress of the plan of operation and any revisions or changes thereto necessary to meet changed conditions or to protect the interests of all parties to this agreement; provided, however, that any major revisions of the plan of operation involving a basic deviation from the initial plan of operation shall be subject to the consent and approval of the Working Interest Owners and the Commissioner.

13. TRACT PARTICIPATION. Tract Participations of each Tract are shown in Exhibit B, and have been computed in accordance with the following:

(a) Phase I Participation. Beginning at 7:00 A.M. on the effective date hereof and remaining in effect until 7:00 A.M. on the first day of the month next following the month in which the cumulative amount of oil produced from the Unitized Formation underlying all of the tracts described in Exhibit B from and after the effective date of this agreement equals 300,000 barrels, the Tract Participation of each Tract shall be

as shown under Phase I of Exhibit B and shall be determined from the following formula:

Tract Participation Percentage,
Phase I equals

$$70 \frac{A}{B} \text{ plus } 30 \frac{C}{D}$$

Where: A equals total adjusted quantity of oil produced from such Tract from the Unitized Formation during the period July 1, 1964 to October 1, 1964, as agreed upon by the Working Interest Owners.

B equals the summation of the adjusted quantities of oil produced from all Tracts in the Unit Area from the Unitized Formation during the period July 1, 1964 to October 1, 1964, as agreed upon by the Working Interest Owners.

C equals the estimated remaining primary barrels of oil producible from the Unitized Formation underlying each such Tract from and after October 1, 1964, such estimated remaining primary barrels being as agreed upon by the Working Interest Owners.

D equals the summation of the estimated remaining primary barrels of oil producible from the Unitized Formation underlying all such Tracts in the Unit Area from and after October 1, 1964, such estimated remaining primary barrels of oil for each Tract being as agreed upon by the Working Interest Owners.

(b) Phase II Participation. Beginning at 7:00 A.M. on the first day of the month next following the date the 300,000 barrels referred to in (a) above shall have been produced and until 7:00 A.M. on the first day of the month next following the date when the cumulative oil produced from the Unitized Formation underlying all of the tracts described in Exhibit B from and after

termination of Phase I equals 700,000 barrels, the Tract Participation of each Tract shall be as shown under Phase II of Exhibit B, and shall be determined from the following formula:

Tract Participation Percentage,
Phase II equals

$$30 \frac{A}{B} \text{ plus } 70 \frac{C}{D}$$

Where: A, B, C and D are as defined in (a) above.

(c) Phase III Participation. Beginning at 7:00 A.M. on the first day of the month next following the date when the 700,000 barrels referred to in (b) above shall have been produced, the Tract Participation of each Tract shall be as shown under Phase III of Exhibit B, and shall be determined from the following formula:

Tract Participation Percentage,
Phase III equals

$$100 \frac{E}{F}$$

Where: E equals the estimated quantity of oil recoverable from the Unitized Formation underlying each such Tract by primary recovery operations as agreed upon by the Working Interest Owners.

F equals the summation of the estimated quantity of oil recoverable from the Unitized Formation underlying all such Tracts by primary recovery operations as agreed upon by the Working Interest Owners.

14. ADJUSTMENT FOR COMMITTED TRACTS. If less than all Tracts within the Unit Area are committed as of the effective date of this agreement, Unit Operator, as soon as practicable thereafter, shall file with the Commissioner and the Supervisor schedules of committed Tracts as of said effective date, which said schedules shall be designated "Revised Exhibit A" and "Revised Exhibit B", and shall be considered for all purposes as a part of this agreement. Such

revised Exhibit B shall set forth opposite each such committed Tract the revised Tract Participations therefor (which shall be calculated by using the same Tract factors and formulas which were used to arrive at the Tract Participations of each Tract as set out in original Exhibit B attached hereto, by applying the same only to the committed Tracts; it being expressly understood and agreed that the 300,000 barrels referred to in Section 13 (a) and (b) hereof shall be reduced by an amount equal to 300,000 times the total Phase I Tract Participations (expressed as a decimal) of all the tracts which fail to qualify for inclusion in the Unit Area; and the 700,000 barrels referred to in Section 13 (b) and (c) hereof shall be reduced by an amount equal to 700,000 times the total Phase II Tract Participations (expressed as a decimal) of all the Tracts which fail to qualify for inclusion in the Unit Area). Such revised Exhibits shall supersede, effective as of the effective date hereof, the Tract Participations set forth in Exhibit B attached hereto until a further revision or revisions thereof is approved by the Commissioner. The Tract Participations shown on Exhibit B attached hereto, or as may be shown on revised Exhibit B as above provided, shall govern the allocation of Unitized Substances on and after the effective date of this Unit Agreement as set forth in Section 16 hereof, and until the allocation schedule is revised pursuant to this agreement.

15. TRACTS QUALIFIED FOR PARTICIPATION. On and after the effective date hereof, and until the enlargement thereof, the Unit Area shall be composed of the Tracts listed in Exhibit B which corner or have a common boundary (Tracts separated only by a public highway or a railroad right-of-way shall be considered to have a common boundary), and that otherwise qualify as follows:

(a) Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest therein have become parties hereto and as to which Royalty Owners owning seventy-five percent (75%) or more of the Royalty Interest therein have become parties hereto.

(b) Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest therein have become parties hereto and as to which Royalty Owners owning less than seventy-five percent (75%) of the Royalty Interest therein have become parties hereto and, further, as to which:

- (i) All Working Interest Owners in any such Tract have joined in a request for the qualification of such Tract, and
- (ii) Eighty percent (80%) of the combined voting interests of Working Interest Owners in all tracts meeting the requirements of paragraph (a) have voted in favor of qualifying such Tract.

For the purpose of this paragraph (b), a Working Interest Owner's "voting interest" shall be equal to the ratio (expressed in percent) which its aggregate Phase III Unit Participation in all Tracts qualifying under paragraph (a) bears to the total Phase III Unit Participation, as shown on Exhibit B, of all Working Interest Owners in all Tracts qualifying under paragraph (a).

(c) Each Tract as to which Working Interest Owners owning less than one hundred percent (100%) of the Working Interest therein have become parties hereto, regardless of the percentage of Royalty Interest therein which is committed hereto and, further, as to which:

- (i) The Working Interest Owner operating any such Tract and all of the other Working Interest Owners in such Tract who have become parties hereto have joined in a request for qualification of such Tract and have executed and delivered an indemnity agreement indemnifying and agreeing to hold harmless the other Working Interest Owners, their successors and assigns, against all claims and demands which may be made by the owners of Working Interests in such Tract who are not parties hereto and which arise out of the qualification of such tract; and
- (ii) Eighty percent (80%) of the combined voting interests of Working Interest Owners in all Tracts meeting the requirements of paragraphs (a) and (b) have voted in favor of the qualification of such Tract and acceptance of the indemnity agreement.

For the purpose of this paragraph (c), a Working Interest Owner's "voting interest" shall be equal to the ratio (expressed in percent) which its aggregate Phase III Unit Participation in all Tracts qualifying under paragraphs (a) and (b) bears to the total Phase III Unit Participation, as shown on Exhibit B, of all Working Interest Owners in all Tracts qualifying under paragraphs (a) and (b). Upon the qualification of such a Tract, the Unit Participation which would have been attributed to the nonsubscribing owners of the Working Interest in such Tract, had they become parties to this agreement and

the Unit Operating Agreement, shall be attributed to the Working Interest Owners in such Tract who have become parties to such agreements, in proportion to their respective Working Interests in the Tract.

16. ALLOCATION OF UNITIZED SUBSTANCES. All Unitized Substances produced and saved (less, save and except any part of such Unitized Substances used in conformity with good operating practices on unitized land for drilling, operating, camp and other production or development purposes and for pressure maintenance or unavoidably lost) shall be apportioned among and allocated to the committed Tracts in accordance with the respective Tract Participations effective hereunder during the respective periods such Unitized Substances were produced, as set forth in the schedule of participation in Exhibit B. The amount of Unitized Substances so allocated to each tract, and only that amount (regardless of whether it be more or less than the amount of the actual production of Unitized Substances from the well or wells, if any, on such Tract), shall, for all intents, uses and purposes, be deemed to have been produced from such Tract.

The Unitized Substances allocated to each such Tract shall be distributed among, or accounted for to, the parties executing, consenting to or ratifying this agreement entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions, as they would have participated and shared in the production from such Tracts, or in the proceeds thereof, had this agreement not been entered into, and with the same legal force and effect.

No Tract committed to this agreement and qualified for participation as above provided shall be subsequently excluded from participation hereunder on account of depletion of Unitized Substances.

If the Working Interest and the Royalty Interest in any Tract are divided with respect to separate parcels or portions of such Tract and owned severally by different persons, the Tract

Participation of such Tract shall, in the absence of a recordable instrument executed by all such owners and furnished to Unit Operator fixing the divisions of ownership, be divided among such parcels or portions in proportion to the number of surface acres in each.

The Unitized Substances allocated to each Tract shall be delivered in kind to the respective Working Interest Owners and parties entitled thereto by virtue of the ownership of Oil and Gas Rights therein or by purchase from such owners. Each Working Interest Owner and the parties entitled thereto shall have the continuing right to receive such production in kind at a common point within the Unit Area and to sell or dispose of the same as it sees fit. Each such party shall have the right to construct, maintain and operate all necessary facilities for that purpose on unitized land, provided the same are so constructed, maintained and operated as not to interfere with operations carried on pursuant hereto. Subject to Section 18 hereof, any extra expenditure incurred by Unit Operator by reason of the delivery in kind of any portion of the Unitized Substances shall be borne by the party receiving the same in kind. In the event any Working Interest Owner shall fail to take or otherwise adequately dispose of its proportionate share of the production from the Unitized Formation currently as and when produced, then so long as such condition continues, Unit Operator, for the account and at the expense of the Working Interest Owner of the Tract or Tracts concerned, and in order to avoid curtailing the operation of the Unit Area, may sell or otherwise dispose of such production to itself or to others on a day-to-day basis at not less than the prevailing market price in the area for like production, and the account of such Working Interest Owner shall be charged therewith as having received such production. The net proceeds, if any, of the Unitized Substances so disposed of by Unit Operator shall be paid to the Working Interest Owner of the Tract or Tracts concerned. Notwithstanding the foregoing,

Unit Operator shall not make a sale into interstate commerce of any Working Interest Owner's share of gas production without first giving such Working Interest Owner sixty (60) days notice of such intended sale.

Any party receiving in kind or separately disposing of all or any part of the Unitized Substances allocated to any Tract, or receiving the proceeds therefrom if the same is sold or purchased by Unit Operator, shall be responsible for the payment of all Royalty due under the lease or leases covering the Tracts contributed by it and received into the Unit, and each such party shall hold each other party hereto harmless against all claims, demands and causes of action for such Royalty on the lease or leases and Tracts contributed by it to the Unit Area.

17. BALANCING OF PRODUCTION. Unit Operator shall make a proper and timely gauge of all lease and other tanks located on each committed Tract in order to ascertain the amount of merchantable oil in such tanks, above the pipe line connections, as of 7:00 A.M. on the effective date hereof. All Unitized Substances which are a part of the prior allowable of the well or wells from which the same were produced shall be and remain the property of the Working Interest Owners entitled thereto as if the Unit had not been formed and such Working Interest Owners shall promptly remove same. Any such Unitized Substances not so removed may be sold by the Unit Operator for the account of such Working Interest Owners, subject to the payment of all royalty to Royalty Owners under the terms and provisions of the applicable lease or leases and other contracts. All such Unitized Substances which are in excess of the prior allowable of the well or wells from which the same were produced shall be regarded and treated the same as Unitized Substances produced after the effective date hereof. If, as of the effective date hereof, any Tract is overproduced with respect to the allowable of the well or wells on that Tract and the amount of such over-production has been sold or otherwise disposed of,

such over-production shall be regarded and included as a part of the Unitized Substances produced after the effective date hereof, and the amount thereof charged to such Tract as having been delivered to the persons entitled to Unitized Substances allocated to such Tract.

18. ROYALTY SETTLEMENT. The United States and the State of New Mexico and all Royalty Owners who, under existing contracts, are entitled to take in kind a share of the Unitized Substances produced from any committed Tract, shall hereafter be entitled to take in kind their share of the Unitized Substances allocated to such Tract, and Unit Operator shall make deliveries of such Royalty share taken in kind in conformity with the applicable contracts, laws and regulations. Settlement for Royalty Interests not taken in kind shall be made by Working Interest Owners responsible therefor under existing contracts, laws and regulations; provided, however, that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any royalties due under their leases except that royalties due on Unitized Substances shall be computed in accordance with the terms of this agreement.

If gas obtained from lands not subject to this agreement is introduced into the Unitized Formation for use in pressure maintenance, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Commissioner, a like amount of gas, less appropriate deductions for loss from any cause, may be withdrawn from the formation into which the gas was introduced, royalty free as to dry gas, but not as to the products extracted therefrom; provided that such withdrawal shall be pursuant to such conditions and formulas as may be prescribed or approved by the Supervisor and the Commissioner; provided further, that such right of withdrawal shall terminate on the termination of this agreement. If

liquefied petroleum gases obtained from lands or formations not subject to this agreement be injected into the Unitized Formation for the purpose of increasing ultimate recovery, which shall be in conformance with a plan first approved by the Commissioner, part or all of such liquefied petroleum gases may be withdrawn royalty free pursuant to such conditions and formulas as may be prescribed or approved by the Supervisor and the Commissioner.

Royalty due the United States shall be computed as provided in the operating regulations and paid in value or delivered in kind as to all Unitized Substances on the basis of the amounts thereof allocated to unitized Federal land as provided herein at the rate specified in the respective Federal leases or at such lower rate or rates as may be authorized by law or regulation; provided, that for leases on which the royalty rate depends on the daily average production per well, such average production shall be determined in accordance with the operating regulations as though the unitized lands were one lease.

Royalty due on account of State and fee lands shall be computed and paid on the basis of all Unitized Substances allocated to such lands.

19. RENTAL SETTLEMENT. Rentals or minimum royalties due on leases committed hereto shall be paid by Working Interest Owners responsible therefor under existing contracts, laws and regulations provided that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any rental or minimum royalty in lieu thereof, due under their leases. Rental for lands of the State of New Mexico subject to this agreement shall be paid at the rate specified in the respective leases from the State of New Mexico. Rental or minimum royalty for lands of the United States of America subject to this agreement shall be paid at the rate specified in the respective leases from the United States of America, unless rental or minimum royalty is waived, suspended,

or reduced by law or by approval of the Secretary or his duly authorized representative.

20. CONSERVATION. Operations hereunder and production of Unitized Substances shall be conducted so as to provide for the most economical and efficient recovery of such substances to prevent waste as defined by State laws or regulations.

21. DRAINAGE. Unit Operator shall take appropriate and adequate measures to prevent drainage of Unitized Substances from the committed Tracts by wells on land not subject to this agreement.

22. LEASES AND CONTRACTS CONFORMED AND EXTENDED. The terms, conditions, and provisions of all leases, subleases, and other contracts relating to exploration, drilling, development, or operation for Unitized Substances in and under the Unit Area are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof, but otherwise to remain in full force and effect; and the parties hereto hereby consent that the Secretary as to Federal leases and the Commissioner as to State leases shall and each by his approval hereof, or by the approval hereof by his duly authorized representative, does hereby establish, alter, change or revoke the drilling, producing, rental, minimum royalty and royalty requirements of Federal and State leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this agreement, and without limiting the generality of the foregoing, all leases, subleases, and contracts are particularly modified in accordance with the following:

(a) The development and operation of lands subject to this agreement under the terms hereof shall be deemed full performance of all obligations for development and operation with respect to each and every part or separately owned Tract committed to this agreement, regardless of whether there is any development of any particular Tract or part thereof, notwithstanding anything to the contrary in any lease, operating agreement, or other contract by and between the parties hereto, or their respective predecessors in interest, or any of them.

(b) Drilling and producing operations performed hereunder upon any tract will be accepted and deemed to be performed upon and for the benefit of each and every Tract, and no lease

shall be deemed to expire by reason of failure to drill or produce wells situated on the land therein embraced.

(c) Suspension of drilling or producing operations on the Unit Area pursuant to direction or consent of the Commissioner and the Supervisor shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every Tract.

(d) Each lease, sublease, or contract relating to the exploration, drilling, development or operation for Unitized Substances, which by its terms might expire prior to the termination of this agreement, is hereby extended beyond any such term so provided therein so that it shall be continued in full force and effect for and during the term of this agreement, as to the land committed so long as such lease remains subject hereto.

(e) Any Federal lease for a fixed term of twenty (20) years or any renewal thereof or any part of such lease which is made subject to this agreement shall continue in force beyond the term provided therein until the termination hereof. Any other Federal lease committed hereto shall continue in force beyond the term so provided therein or by law as to the committed land so long as such land remains committed hereto, or in the event actual drilling operations are commenced on unitized land, in accordance with the provisions of this agreement, prior to the end of the primary term of such lease and are being diligently prosecuted at that time, such lease shall be extended for two (2) years and so long thereafter as oil or gas is produced in paying quantities in accordance with the provisions of the Mineral Leasing Act (Revision of 1960).

(f) Any lease embracing lands of the State of New Mexico which is made subject to this agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.

(g) Any lease embracing lands of the State of New Mexico having only a portion of its lands committed hereto shall be segregated as to the portion committed and as to the portion not committed and the terms of such lease shall apply separately as to such segregated portions commencing as of the effective date hereof. Notwithstanding any of the provisions of this agreement to the contrary, any lease embracing lands of the State of New Mexico having only a portion of its lands committed hereto shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease (whether within or without the Unit Area), if oil or gas are discovered and are capable of being produced in paying quantities from some part of the lands embraced in such lease committed to this agreement at the expiration of the secondary term of such lease; or if, at the expiration of the secondary term, the lessee or the Unit Operator is then engaged in bona fide drilling or reworking operations on some part of the lands embraced therein, any such lease shall remain in full force and effect so long as such operations are being diligently prosecuted, and if they result in the production of Unitized Substances, said lease shall continue in full force and effect as to all of the lands embraced therein, so long thereafter as Unitized Substances are produced in paying quantities from any portion of said lands.

(h) The segregation of any Federal lease committed to this agreement is governed by the following provision in the fourth paragraph of Sec. 17(j) of the Mineral Leasing Act as amended by the Act of September 2, 1960 (74 Stat. 781-784): "Any [Federal] lease heretofore or hereafter committed to any such [unit] plan

embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to the lands committed and the lands not committed as of the effective date of unitization; Provided, however, That any such lease as to the nonunitized portion shall continue in force and effect for the term thereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."

23. COVENANTS RUN WITH LAND. The covenants herein shall be construed to be covenants running with the land with respect to the interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee, or other successor in interest. No assignment or transfer of any Working Interest subject hereto shall be binding upon Unit Operator until the first day of the calendar month after Unit Operator is furnished with the original, photostatic or certified copy of the instrument of transfer; and no assignment or transfer of any Royalty Interest shall be binding upon the Working Interest Owner responsible therefor until the first day of the calendar month after said Working Interest Owner is furnished with the original, photostatic or certified copy of the instrument of transfer.

24. EFFECTIVE DATE AND TERM. This agreement shall become binding upon each party who executes or ratifies it as of the date of execution or ratification by such party and shall become effective as of 7:00 o'clock A.M. of the first day of the calendar month next following:

(a) The execution or ratification of this agreement and the Unit Operating Agreement by Working Interest Owners owning a combined Phase III Unit Participation of at least seventy-five percent (75%), and the execution or ratification of this agreement by Royalty Owners owning a combined interest of at least sixty-five percent (65%) of the Royalty Interest in the Unit Area, calculated on the basis of Phase III Tract Participations; and

(b) The approval of this agreement by the Commissioner and the Commission; and

(c) The filing of at least one counterpart of this

agreement for record in the office of the County Clerk of Lea County, New Mexico, by the Unit Operator.

Provided, further, that if (a), (b) and (c) above are not accomplished on or before January 1, 1967, this agreement shall ipso facto expire on said date (hereinafter called "expiration date") and thereafter be of no further force or effect, unless prior thereto this agreement has been executed or ratified by Working Interest Owners owning a combined Phase III Unit Participation of at least seventy-five percent (75%) and that Working Interest Owners owning at least eighty percent (80%) of the combined Phase III Unit Participation committed to this agreement have decided to extend said expiration date for a period not to exceed one year (hereinafter called "extended expiration date"). If said expiration date is so extended and (a), (b) and (c) are not accomplished on or before said extended expiration date, this agreement shall ipso facto expire on said extended expiration date and thereafter be of no further force and effect.

Unit Operator shall, within 30 days after the effective date of this agreement, file for record in the office where a counterpart of this agreement is recorded, a certificate to the effect that this agreement has become effective according to its terms and stating further the effective date.

The term of this agreement shall be for and during the time that Unitized Substances are produced in paying quantities from the Unit Area and so long thereafter as drilling, reworking or other operations (including secondary recovery operations) are prosecuted thereon without cessation of more than 90 consecutive days and so long thereafter as Unitized Substances can be produced as aforesaid, unless sooner terminated by Working Interest Owners in the manner hereinafter provided.

This agreement may be terminated at any time with the approval of the Commissioner by Working Interest Owners owning seventy-five percent (75%) of Phase III Unit Participation.

Upon termination of this agreement, the further development and operation of the Unit Area as a Unit shall be abandoned, Unit Operations shall cease, and thereafter the parties hereto shall be governed by the terms and provisions of the leases and contracts affecting the separate tracts just as if this agreement had never been entered into.

If not otherwise covered by the leases unitized under this agreement, Royalty Owners hereby grant Working Interest Owners a period of six (6) months after termination of this agreement in which to salvage, sell, distribute or otherwise dispose of the personal property and facilities used in connection with Unit Operations.

25. NONDISCRIMINATION. In connection with the performance of work under this agreement, Unit Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F.R. 12319), which are incorporated by reference in this agreement.

26. APPEARANCES. Unit Operator, after notice to other parties affected shall have the right to appear for or on behalf of any and all interests affected hereby before the Commissioner, the Department and the Commission, and to appeal from any order issued under the rules and regulations of the Commissioner, the Department, or the Commission, or to apply for relief from any of said rules and regulations or in any proceedings relative to operations before the Commissioner, the Department, or the Commission, or any other legally constituted authority; provided, however, that any other interested party shall also have the right at his or its own expense to be heard in any such proceedings.

27. NOTICES. All notices, demands, objections or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if made in writing and personally delivered to the party or parties or sent by postpaid certified mail addressed to such party or parties at their respective addresses

set forth in connection with the signatures hereto or to the ratification or consent hereof or to such other address as any such party may have furnished in writing to party sending the notice, demand or statement.

28. NO WAIVER OF CERTAIN RIGHTS. Nothing in this agreement contained shall be construed as a waiver by any party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State of New Mexico or the United States, or rules or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive; provided, however, that each party hereto covenants that during the existence of this agreement such party will not resort to any action at law or in equity to partition the Unit Area or the facilities used in the development or operation thereof and to that extent waives the benefits of all laws authorizing such partition.

29. UNAVOIDABLE DELAY. All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or to produce Unitized Substances from any of the lands subject to this agreement shall be suspended while, but only so long as, the Unit Operator, despite the exercise of due care and diligence, is prevented from complying with such obligations, in whole or in part, by strikes, acts of God, Federal, State or municipal law or agencies, unavoidable accidents, uncontrollable delays in transportation, inability to obtain necessary materials in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not.

30. LOSS OF TITLE. If any Tract ceases to have sufficient Working Interest or Royalty Interest committed to this agreement to meet the conditions of Section 15 because of failure of title of any party hereto, such Tract shall be regarded as not committed hereto as of 7:00 A.M. on the first day of the calendar month in which such

failure of title is finally determined; provided, however, that no such Tract shall be so regarded if same can be requalified under said Section 15 within 90 days after the date on which such title failure was finally determined. If any such Tract cannot be so requalified, Unit Operator shall recompute the Tract Participation of each Tract remaining subject to this agreement so that such Tract Participation shall remain in the same ratio one to another. Thereafter, Unit Operator shall revise Exhibits A and B conformably with such recomputation. Each such revised Exhibit shall be effective at 7:00 A.M. on the first day of the calendar month in which such failure of title is finally determined.

If title to a Working Interest fails, the rights and obligations of Working Interest Owners by reason of such failure shall be governed by the Unit Operating Agreement. If title to a Royalty Interest fails, but the tract to which it relates remains committed to this agreement, the Royalty Owner whose title failed shall not be entitled to participate hereunder insofar as its participation is based on such lost Royalty Interest.

In the event of a dispute as to the title to any Working or Royalty Interest, or other interest subject hereto, payment or delivery on account thereof may be withheld without liability or interest until the dispute is finally settled; provided, that as to State or Federal land or leases, no payment of funds due the State of New Mexico or the United States of America shall be withheld, but such funds shall be deposited as directed by the Commissioner or the Supervisor, as the case may be, to be held as unearned money pending final settlement of the title dispute and then applied as earned or returned in accordance with such final settlement.

Unit Operator, as such, is relieved from any responsibility for any defect or failure of title hereunder.

31. NONJOINDER AND SUBSEQUENT JOINDER. Any oil or gas

interest within the Unit Area not committed hereto prior to the effective date of this agreement may thereafter be committed, upon compliance with the applicable provisions of this Section 31 and of Section 15 (TRACTS QUALIFIED FOR PARTICIPATION) by the owner or owners thereof subscribing or consenting to this agreement and, if such uncommitted interest is a working interest, by the owner of such interest also subscribing to the Unit Operating Agreement.

Such right of joinder subsequent to the effective date hereof shall be subject to such requirements or approvals and shall be upon such terms and conditions as may be agreed to by at least seventy percent (70%) of the then Voting Interests of the Working Interest Owners, and approval by the Commissioner, with appropriate revisions of Exhibits A and B, effective as of 7:00 A.M. on the first day of the calendar month next following such agreement by the Working Interest Owners.

After the effective date of this agreement, joinder by a non-working interest owner must be consented to in writing by the Working Interest Owners committed hereto and responsible for the payment of any benefits which may accrue hereunder in behalf of such non-working interest.

32. COUNTERPARTS. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or it may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all those parties who have executed such a counterpart, ratification, or consent hereto with the same force and effect as if all such parties had signed the same document and regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands within the above described Unit Area.

33. JOINDER IN DUAL CAPACITY. Execution as herein provided by any party either as a Working Interest Owner or as a Royalty Owner shall commit all interests that may be owned or controlled by such party.

34. TAXES. The Working Interest Owners shall render and pay or cause to be rendered and paid for their account and the account of the Royalty Owners all valid taxes on or measured by the Unitized Substances in and under or that may be produced, gathered and sold from the land subject to this agreement after the effective date of this agreement, or upon the proceeds or net proceeds derived therefrom. The Working Interest Owners in each Tract may charge the proper proportion of said taxes to the Royalty Owners having interests in said Tract, and may currently retain and deduct sufficient of the Unitized Substances or derivative products, or net proceeds thereof, from the allocated share of each Royalty Owner to secure reimbursement for the taxes so paid. No such taxes shall be charged to the United States or the State of New Mexico or to any lessor who has a contract with his lessee which requires the lessee to pay such taxes.

In order to avoid title failures which might incidentally cause the title to a Working Interest or Royalty Interest to fail, the owners of (1) the surface rights to each committed Tract, (2) severed mineral or royalty interest in said Tracts and (3) improvements located in said Tracts not utilized for Unit operations shall individually be responsible for the rendition and assessment, for ad valorem tax purposes, of all such property, and for the payment of such taxes, except as otherwise provided in any contract or agreement between such owners and a Working Interest Owner or Owners. If any ad valorem taxes are not paid by such owner responsible therefor when due, Unit Operator may, at any time prior to tax sale, pay the same, redeem such property and discharge such tax liens as may arise through non-payment. In the event Unit Operator makes any such payment or redeems any such property from tax sale, Unit Operator shall be reimbursed therefor by the Working Interest Owners in proportion to their respective Unit Participations then in effect, and Unit Operator shall withhold from any proceeds derived from the sale of Unitized Substances otherwise due to said delinquent taxpayer or

taxpayers an amount sufficient to defray the costs of such payment or redemption, such withholding to be distributed among the Working Interest Owners in proportion to their respective contributions toward such payment or redemption. Such withholding shall be without prejudice to any other remedy, either at law or in equity, which may be available for exercise by the Unit Operator or by the Working Interest Owners.

35. CONFLICT OF SUPERVISION. Neither the Unit Operator nor the Working Interest Owners, nor any of them, shall be subject to any forfeiture, termination or expiration of any rights hereunder or under any leases or contracts subject hereto, or to any penalty or liability on account of delay or failure in whole or in part to comply with any applicable provisions thereof, to the extent that the said Unit Operator or the Working Interest Owners, or any of them, are hindered, delayed or prevented from complying therewith by reason of failure of the Unit Operator to obtain, in the exercise of due diligence, the concurrence of proper representatives of the United States and proper representatives of the State of New Mexico in and about any matters or things concerning which it is required herein that such concurrence be obtained. The parties hereto, including the Commission, agree that all powers and authority vested in the Commission in and by any provisions of this agreement are vested in the Commission and shall be exercised by it pursuant to the provisions of the laws of the State of New Mexico and subject in any case to appeal or judicial review as may now or hereafter be provided by the laws of the State of New Mexico.

36. NO PARTNERSHIP. It is expressly agreed that the relation of the parties hereto is that of independent contractors and nothing in this agreement contained, express or implied, or any operations conducted hereunder, shall create or be deemed to have created a partnership or association between the parties hereto or any of them.

37. BORDER AGREEMENTS. Subject to the approval of the Commissioner, and with the concurrence of Working Interest Owners owning

at least seventy percent (70%) Phase III Unit Participation, Unit Operator may enter into a border-protection agreement or agreements with the working interest owners of lands adjacent to the committed Tracts with respect to the operations in the border area for the maximum ultimate recovery, conservation purposes and proper protection of the parties and interests.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed as of the date first above written and have set opposite their respective names the date of execution and the address of each of the respective executing parties.

ATTEST:

SKELLY OIL COMPANY

Assistant Secretary

By _____
Vice President

Date of Signature:

Appvd. as to
Form MS

P. O. Box 1650
Tulsa, Oklahoma 74102

STATE OF OKLAHOMA }
COUNTY OF TULSA } SS

The foregoing instrument was acknowledged before me this
day of _____, 1966, by _____,
Vice President of SKELLY OIL COMPANY, a Delaware corporation, on
behalf of said corporation.

My Commission expires:

Notary Public

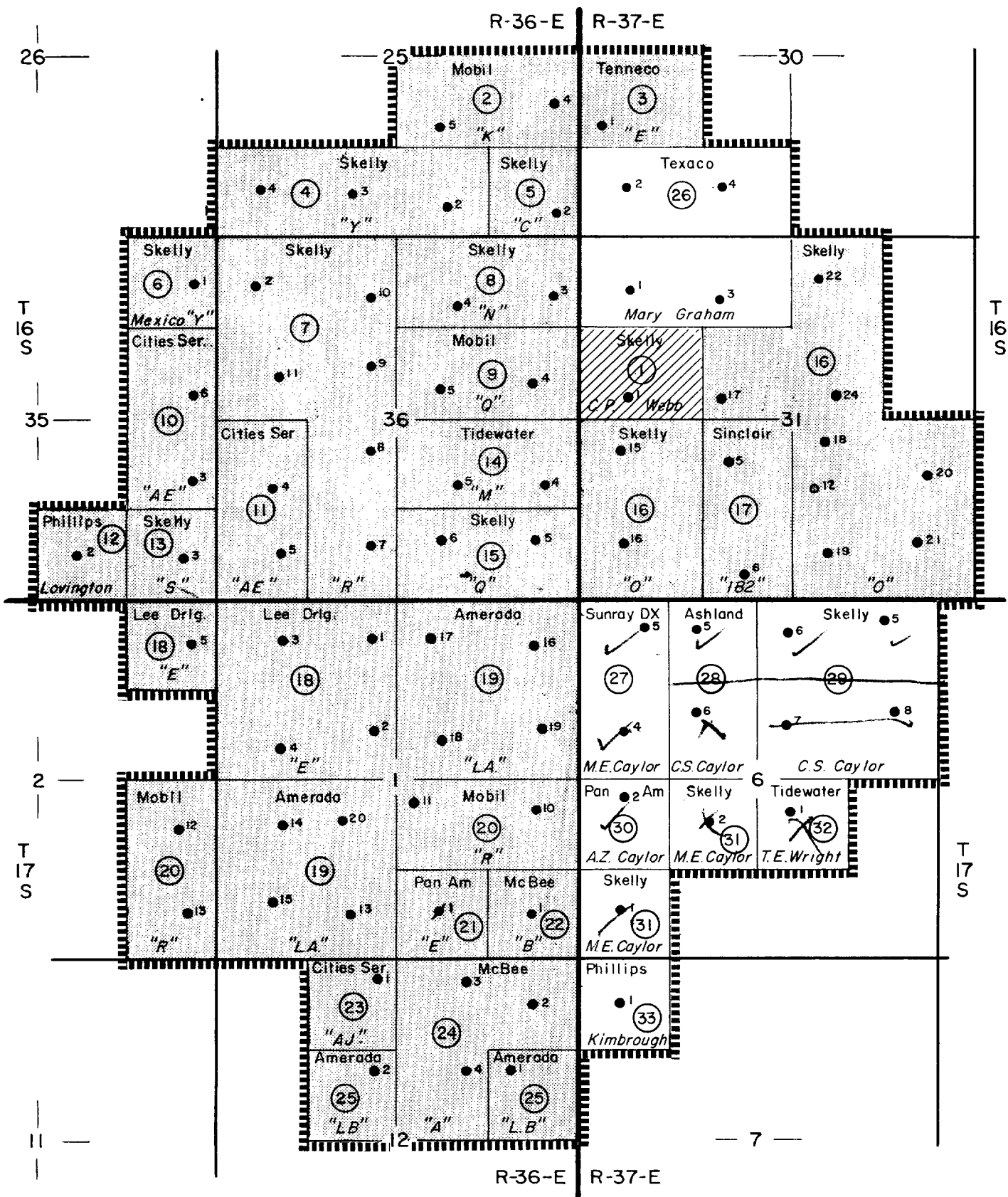


EXHIBIT "A"
LOVINGTON PADDOCK UNIT
LEA COUNTY, NEW MEXICO

- Legend*
- UNIT AREA
 - ① TRACT NUMBER
 - FEE LANDS
 - ▨ STATE LANDS
 - ▩ FEDERAL LANDS

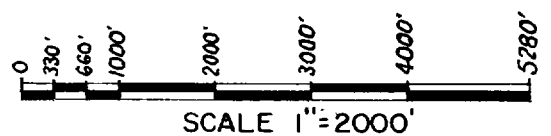


EXHIBIT "B"
 SCHEDULE SHOWING TRACT PARTICIPATIONS AND PERCENTAGE AND KIND OF OWNERSHIP
 OF ALL LANDS WITHIN THE LOVINGTON PADDOCK UNIT
 TOWNSHIPS 16 AND 17 SOUTH, RANGES 36 AND 37 EAST, LEA COUNTY, NEW MEXICO

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION			
								PHASE I	PHASE II	PHASE III	
<u>FEDERAL LANDS</u>											
1	<u>T16S-R37E</u> Sec. 31; Lot 2	49.68	LC 058418 12-31-38 H.B.P.	United States Geological Survey Sliding Scale	Skelly Oil Company	None	Skelly Oil Company 100%	0.48689	0.33838	1.87751	

One (1) Federal Tract Containing 49.68 Acres or 1.49% of Unit Area

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III
								STATE LANDS		
2	<u>T16S-R36E</u> Sec. 25; N/2 SE/4	80	B-1527 12-21-32 H.B.P.	State of New Mexico 12.50	Mobil Oil Corporation	None	Mobil Oil Corporation 100%	0.76141	0.58128	0.96198
3	<u>T16S-R37E</u> Sec. 30; Lot 3	50.03	E-1679-1 1-10-48 H.B.P.	State of New Mexico 12.50	Tenneco Oil Company	None	Tenneco Oil Company 100%	1.23293	1.23049	0.76597
4	<u>T16S-R36E</u> Sec. 25; SW/4 SE/4, S/2 SW/4	120	B-7893 12-10-38 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	2.17263	1.96836	1.96082
5	<u>T16S-R36E</u> Sec. 25; SE/4 SE/4	40	B-9077-2 4-10-41 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	0.87214	0.82754	1.55822
6	<u>T16S-R36E</u> Sec. 35; NE/4 NE/4	40	E-2936 9-10-49 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	0.87214	0.82754	0.76569
7	<u>T16S-R36E</u> Sec. 36; NW/4, E/2 SW/4	240	B-7766-2 B-7766-5 9-10-38 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	7.04374	6.08460	9.09402
8	<u>T16S-R36E</u> Sec. 36; N/2 NE/4	80	B-2411 1-11-34 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	1.39130	1.17572	2.30458

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III
9	<u>T16S-R36E</u> Sec. 36; S/2 NE/4	80	B-2894 5-10-34 H.B.P.	State of New Mexico 12.50	Mobil Oil Corporation	None	Mobil Oil Corporation 100%	1.75777	1.34706	2.92051
10	<u>T16S-R36E</u> Sec. 35; SE/4 NE/4, NE/4 SE/4	80	E-1678-1 1-10-48 H.B.P.	State of New Mexico 12.50	Cities Service Oil Company	None	Cities Service Oil Company 100%	1.52451	1.16893	0.90711
11	<u>T16S-R36E</u> Sec. 36; W/2 SW/4	80	B-7766-8 9-10-38 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Cities Service Oil Company 100%	0.80638	0.61832	1.89404
12	<u>T16S-R36E</u> Sec. 35; SW/4 SE/4	40	B-9686 6-10-42 H.B.P.	State of New Mexico 12.50	Phillips Petroleum Company	None	Phillips Petroleum Company 100%	0.57694	0.50000	0.71762
13	<u>T16S-R36E</u> Sec. 35; SE/4 SE/4	40	B-7316 11-10-37 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	1.60575	1.61064	1.59166
14	<u>T16S-R36E</u> Sec. 36; N/2 SE/4	80	B-7845 11-10-38 H.B.P.	State of New Mexico 12.50	Tidewater Oil Company	None	Tidewater Oil Company 100%	1.30271	0.68290	2.85038
15	<u>T16S-R36E</u> Sec. 36; S/2 SE/4	80	B-7845 11-10-38 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	3.48486	3.12931	3.88071

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III
16	<u>T16S-R37E</u> Sec. 31; SE/4, W/2 NE/4, SE/4 NW/4, Lots 3 and 4	379	B-7896 12-10-38 H.B.P.	State of New Mexico 12.50	Skelly Oil Company	None	Skelly Oil Company 100%	10.82507	10.77612	12.42844
17	<u>T16S-R37E</u> Sec. 31; E/2 SW/4	80	B-1505 12-20-32 H.B.P.	State of New Mexico 12.50	Sinclair Oil & Gas Company	None	Sinclair Oil & Gas Company 100%	0.64826	0.37059	1.16908
18	<u>T17S-R36E</u> Sec. 1; Lots 3 and 4, S/2 NW/4 Sec. 2; Lot 1	198.99	B-1553 12-27-32 H.B.P.	State of New Mexico 12.50	Pan American Petroleum Corporation	None	Lee Drilling Company 50% Pan American Petroleum Corporation 50%	9.34029	9.75083	7.26165
19	<u>T17S-R36E</u> Sec. 1; Lots 1 and 2, S/2 NE/4, SW/4	319.80	B-2359-1 1-23-34 H.B.P.	State of New Mexico 12.50	Amerada Petroleum Corporation	None	Amerada Petroleum Corporation 100%	9.15222	8.33001	9.07154
20	<u>T17S-R36E</u> Sec. 1; N/2 SE/4 Sec. 2; E/2 SE/4	160	B-3009 6-11-34 H.B.P.	State of New Mexico 12.50	Mobil Oil Corporation	None	Mobil Oil Corporation 100%	3.51138	3.51850	2.57405
21	<u>T17S-R36E</u> Sec. 1; SW/4 SE/4	40	B-1553 12-27-32 H.B.P.	State of New Mexico 12.50	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation 100%	0.00000	0.00000	0.52906

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III
22	<u>T17S-R36E</u> Sec. 1; SE/4 SE/4	40	B-1553 12-27-32 H.B.P.	State of New Mexico 12.50	Pan American Petroleum Corporation	Pan American Petroleum Corporation 8.20312	William D. McBee 50%	0.96666	1.07716	0.56792
						(1) Henry Sweeney 2.73438	Howard P. Holmes 50%			
23	<u>T17S-R36E</u> Sec. 12; NE/4 NW/4	40	E-388 6-11-45 H.B.P.	State of New Mexico 12.50	Cities Service Oil Company	None	Cities Service Oil Company 100%	0.70132	0.55987	0.67936
24	<u>T17S-R36E</u> Sec. 12; N/2 NE/4, SW/4 NE/4	120	B-1429-5 12-5-32 H.B.P.	State of New Mexico 12.50	W. D. McBee	None	William D. McBee 100%	10.63583	14.09519	7.47157
25	<u>T17S-R36E</u> Sec. 12; SE/4 NW/4, SE/4 NE/4	80	B-1429-4 12-5-32 H.B.P.	State of New Mexico 12.50	Amerada Petroleum Corporation	None	Amerada Petroleum Corporation 100%	3.12552	3.66562	2.43106

Note (1) Override becomes operative when lease production reaches 15 BOPD based on monthly production.

Twenty-Four (24) State Tracts Containing 2587.82 Acres or 77.84% of Unit Area

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC		OVERRIDING	WORKING	PERCENTAGE			
				ROYALTY & PERCENTAGE	LESSEE OF RECORD			ROYALTY & PERCENTAGE	INTEREST & PERCENTAGE	TRACT PARTICIPATION	
								PHASE I	PHASE II	PHASE III	
26	<u>T16S-R37E</u>										
	Sec. 30;	179.71	Various	R. G. Anderson	The Texas	Roswell	Texaco Inc.	5.09093	4.50794	4.74418	
	Lot 4,		11-17-43 to	0.23149	Company	Securities	52.35756				
	SE/4 SW/4		1-7-53	Constance E.		Company	Sohio Petroleum				
	Sec. 31;		H.B.P.	Byers		2.58257	Company				
	Lot 1,			0.02174		Harriett B.	11.11111				
	NE/4 NW/4			Mary Louise		Savage	George H.				
				Carson		1.29130	Coates				
				0.62500		Elizabeth	2.77778				
				Glenn B.		Dibrell	Tidewater Oil	Company			
				Chadwick		0.64564	Company	1.51615			
				0.08695		Kaercher	Sinclair Oil	& Gas Company			
				George H.		Company	0.64564	0.45192			
				Coates				Late Oil Company			
				0.52083				13.04019			
			Pan American				Margaret S. Mallard				
			Petroleum				3.05630				
			Corporation				Charles H. Strain				
			1.04167				3.05630				
			C. O. Drew				Clara M. Strain				
			0.69445				6.11259				
			Felmont Oil				J. N. Dunlavey				
			Corporation				6.52010				
			1.84028								
			Carey Mason								
			Graham								
			0.62500								
			John D. Graham								
			0.62500								
			Ruth E. Graham								
			0.62500								
			Dilworth S. Hager								
			0.69445								
			Richard F. Hare								
			0.52083								
			Home-Stake Royalty								
			Corporation								
			0.21737								

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC	LESSEE	OVERRIDING	WORKING	PERCENTAGE TRACT PARTICIPATION		
				ROYALTY & PERCENTAGE	OF RECORD	ROYALTY & PERCENTAGE	INTEREST & PERCENTAGE	PHASE I	PHASE II	PHASE III
26, CONTINUED										
				Jeb Oil Company						
				1.38889						
				Petroleum Corporation of Texas						
				0.52000						
				Edna Pryor						
				0.62500						
				Sohio Petroleum Corporation						
				1.38888						
				Kirke C. Veeder						
				0.02174						
				R. W. Viersen Estate						
				0.46297						
				J. R. Woods						
				0.03472						
				Lydian H. Woods						
				0.03472						
<u>T17S-R37E</u>										
27	Sec. 6; Lots 4 and 5	74.66	4-28-38 H.B.P.	Amerada Petroleum Corporation	Skelly Oil Company	None	Sunray DX Oil Company 100%	4.22570	4.15722	2.45540
				2.34375						
				R. S. Anderson						
				0.39063						
				J. M. Armstrong						
				0.48828						
				Thula M. Caylor, Executrix of Estate of C. S. Caylor						
				0.78125						
				Walter B. Collins						
				0.39062						
				J. E. Green						
				0.19531						
				Charles J. Hoffman						
				0.19531						

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC	LESSEE	OVERRIDING	WORKING	PERCENTAGE		
				ROYALTY & PERCENTAGE	OF RECORD	ROYALTY & PERCENTAGE	INTEREST & PERCENTAGE	TRACT PARTICIPATION	PHASE I	PHASE II
27, CONTINUED										
				Sarah A. Link, Executrix U/W of L. C. Link 0.39063 June D. Speight 0.78125 Roger B. Owings 0.19531 Skelly Oil Company 2.34375 Southland Royalty Company 2.73438 William K. Warren Foundation 0.19531 Ralph E. Wertz, Jr., and Royal F. Wertz, Co-Trustees of Trust Created U/W of Cora Cox Wertz 0.58594 W. A. Yeager 0.48828						
28	<u>T17S-R37E</u> Sec. 6; Lot 3, SE/4 NW/4	80.12	4-28-38 H.B.P.	Amerada Petroleum Corporation 2.34375 R. S. Anderson 0.39063 J. M. Armstrong 0.48825 Thula M. Caylor, Executrix of Estate of C. S. Caylor 0.78125 Walter B. Collins 0.39062	Skelly Oil Company	None	Ashland Oil & Refining Company 100%	1.20248	0.97520	2.07761

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III

28, CONTINUED

J. E. Green
0.19525
Charles J. Hoffman
0.19537
Sarah A. Link,
Executrix U/W of
L. C. Link
0.39063
June D. Speight
0.78125
Roger B. Owings
0.19525
Skelly Oil Company
2.34375
Southland Royalty
Company
2.73438
William K. Warren
Foundation
0.19537
Royal F. Wertz and
Ralph E. Wertz, Jr.,
Co-Trustees U/W
of Cora Cox Wertz
0.58600
W. A. Yeager
0.48825

29 T17S-R37E
Sec. 6;
Lots 1 and 2,
S/2 NE/4 160.48 8-14-61 H.B.P. Amerada
Petroleum
Corporation Skelly Oil
Company None Skelly Oil
Company
100% 5.12470 4.77586 5.91399

2.34375
J. M. Armstrong
0.48828
Thula M. Caylor,
Executrix of Estate
of C. S. Caylor
0.78125

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC	LESSEE	OVERRIDING	WORKING	PERCENTAGE		
				ROYALTY & PERCENTAGE	OF RECORD	ROYALTY & PERCENTAGE	INTEREST & PERCENTAGE	TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III
29, CONTINUED										
			June D. Speight							
			0.78125							
			Sarah A. Link,							
			Executrix U/W of							
			L. C. Link							
			0.39063							
			Roger B. Owings							
			0.19531							
			Skelly Oil Company							
			2.34375							
			Southland Royalty							
			Company							
			2.73438							
			Royal F. Wertz and							
			Ralph E. Wertz, Jr.,							
			Co-Trustees U/W							
			of Cora Cox Wertz							
			0.58594							
			W. A. Yeager							
			0.48828							
			Charles J. Hoffman							
			0.19531							
			Walter B. Collins							
			0.39063							
			R. S. Anderson							
			0.39062							
			J. E. Green							
			0.19531							
			William K. Warren							
			Foundation							
			0.19531							
30	<u>T17S-R37E</u> Sec. 6; Lot 6	37.35	9-29-38 H.B.P.	Mary Elizabeth Caylor	Pan American Petroleum Corporation	None	Amerada Petroleum Corporation	1.37618	1.31503	1.07235
				4.72890			50%			
				Howard Chamlee						
				0.59565						

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC ROYALTY & PERCENTAGE	LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
								PHASE I	PHASE II	PHASE III
30, CONTINUED										
31	<u>T17S-R37E</u> Sec. 6; Lot 7, SW/4 SW/4	77.39	9-24-46 H.B.P.	First National Bank of Midland, Trustee for Trust 204			Pan American Petroleum Corporation			
				1.35015			50%			
				J. S. Noland						
				1.35015						
				Skelly Oil Company						
				4.72890						
				Howard Chamlee						
				0.59565						
				First National Bank of Midland, Trustee for Trust 204						
				1.35015						
32	<u>T17S-R37E</u> Sec. 6; NW/4 SE/4	40	6-1-48 H.B.P.	First National Bank of Midland, Trustee for Trust 204			Pan American Petroleum Corporation			
				1.35015			50%			
				J. S. Noland						
				1.35015						
				Skelly Oil Company						
				0.78125						
				June D. Speight						
				2.34375						
				Deen Williams						
				1.35015						
33	<u>T17S-R37E</u> Sec. 6; NW/4 SE/4	40	6-1-48 H.B.P.	First National Bank of Midland, Trustee for Trust 204			Pan American Petroleum Corporation			
				1.35015			50%			
				J. S. Noland						
				1.35015						
				Skelly Oil Company						
				0.78125						
				June D. Speight						
				2.34375						
				Deen Williams						
				1.35015						

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC		LESSEE OF RECORD	OVERRIDING ROYALTY & PERCENTAGE	WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
				ROYALTY & PERCENTAGE					PHASE I	PHASE II	PHASE III
32, CONTINUED											
	Powhatan Carter, Jr.			0.19531				Coy S. Lowe			
	Anderson Carter			0.19531				7.81250			
	Cecilia Caylor			0.52083				Gordon M. Cone			
	F. E. Chartier and Peggy Chartier			0.39062				2.34375			
	M. W. Coll and Lillian H. Coll			0.78125							
	Gordon M. Cone			0.29297							
	Clara A. Elkins, Executrix of Estate of Seth Alston, Deceased			0.12187							
	A. N. Etz and Bonnie R. Etz			0.39062							
	George Etz and Olivia W. Etz			0.39062							
	Mrs. Ada Hinton			0.19533							
	J. R. Hinton			0.19533							
	S. P. Johnson, Jr., Trustee U/W of S. P. Johnson, Deceased			1.17187							
	Coy S. Lowe			0.97657							
	Mary Ruth McCroxy and W. T. Reed, Executors of J. L. Reed Estate			0.78125							

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. & DATE OF LEASE OR APPLICATION	BASIC		LESSEE OF RECORD	OVERRIDING		WORKING INTEREST & PERCENTAGE	PERCENTAGE TRACT PARTICIPATION		
				ROYALTY & PERCENTAGE			ROYALTY & PERCENTAGE			PHASE I	PHASE II	PHASE III

32, CONTINUED

Rachel C. Moore
0.52083
O. T. Nolan and
Mary Gaylor Nolan
0.52083
H. Dillard Schenck and
L. Kirby Schenck
0.29297
Skelly Oil Company
3.12500
Grace Tyler Wright
0.39062
Bess Yearwood
0.14687

33
T17S-R37E
Sec. 7;
Lot 1

37.42

6-4-48
H.B.P.

Ashland Oil
& Refining
Company
1.56250
C. M. Selby
10.93750

Phillips
Petroleum
Company

None

Phillips
Petroleum
Company
87.50000
Tidewater Oil
Company
12.50000

3.84646

5.19747

2.38646

Eight (8) Fee Tracts Containing 687.13 Acres or 20.67% of Unit Area

LOVINGTON PADDOCK UNIT AREA TOTAL				
1 Federal Tract	49.68 Acres		1.49%	
24 State Tracts	2587.82 Acres		77.84%	
8 Fee Tracts	687.13 Acres		20.67%	
33 Tracts	3324.63 Acres		100.00%	

SUPPLEMENTAL
WELL DATA

LOVINGTON PADDOCK

Operator Lease and Well Number	Completion Date	Oil Production Rate B/D		Cumulative Oil Production to 8-1-66
		Initial	Current	
Amerada				
State LA #13	5-18-53	119	8	76560
State LA #14	6-18-53	157	8	91107
State LA #15	7-24-53	163	7	61952
State LA #16	8-23-53	397	6	115055
State LA #17	9-25-53	156	6	90102
State LA #18	10-22-53	437	6	95414
State LA #19	11-16-53	490	6	90977
State LA #20	12-28-53	109	12	82680
State LB #1	5-15-53	109	5	77154
State LB #2	1-15-54	132	10	89968
Ashland				
C. S. Caylor #5	9-23-53	227	4	84826
C. S. Caylor #6	11-15-53	294	3	82322
Cities Service				
State AE #3	7-13-56	69	3	33642
State AE #4	1-29-54	160	2	106199
State AE #5	12-9-55	108	3	48226
State AE #6	5-1-56	116	3	37350
State AJ #1	7-10-53	93	3	53340
Lee Drilling				
State "E" #1	10-12-54	278	9	141551
State "E" #2	11-20-54	313	12	147224
State "E" #3	12-27-54	428	6	108051
State "E" #4	2-7-55	50	3	50204
State "E" #5	3-21-55	99	6	80450
Wm. D. Mc Bee				
State "A" #2	6-12-52	204	9	163255
State "A" #3	10-16-52	188	11	170137
State "A" #4	8-14-53	240	10	134324
State "B" #1	7-1-56	153	3	38843
Mobil Oil Company				
State "K" #4	10-28-53	143	3	40537
State "K" #5	1-4-54	120	2	37516
State "Q" #4	12-1-52	115	5	117730
State "Q" #5	9-26-53	408	6	119597
State "R" #10	4-16-53	162	0	92466
State "R" #11	10-25-53	66	4	38768
State "R" #12	4-2-54	81	4	29977
State "R" #13	3-12-54	60	4	24769
Pan American				
A. Z. Caylor #2	4-4-54	65	4	79612
State "E" -17 #1	11-11-53	8	0*	32121
Phillips Petroleum				
Kimbrough #1	3-2-53	257	16	141492
Lovington State #2	12-7-52	109	1	56762
Sinclair Oil and Gas				
State "182 A" #5	6-16-53	154	0	68666
State "182 A" #6	9-11-53	128	0	26926
Skelly Oil Company				
C. S. Caylor #5	6-21-53	352	9	151985
C. S. Caylor #6	12-10-53	1190	5	123959
C. S. Caylor #7	12-22-53	145	5	91323
C. S. Caylor #8	3-20-54	157	4	89299
M. E. Caylor #1	9-6-53	86	6	59038
M. E. Caylor #2	12-31-53	231	8	84889

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
SKELLY EXHIBIT NO. E
CASE NO. 3467

Supplemental Well Data-Lovington Paddock

Operator Lease and Well Number	Completion Date	Oil Production Rate B/D		Cumulative Oil Production to 8-1-66
		Initial	Current	
Mexico "C" #2	9-5-53	88	5	123443
Mexico "Y" #1	6-15-55	165	5	58280
State "N" #3	3-18-53	160	4	98119
State "N" #4	11-21-53	310	4	86665
State "O" #15	6-2-53	508	5	145302
State "O" #16	7-6-53	494	5	132330
State "O" #13	11-22-55	50	0**	114414
State "O" #17	10-28-53	199	3**	
State "O" #18	11-6-53	190	3	110556
State "O" #19	12-8-53	321	3	117523
State "O" #20	3-19-54	304	9	125949
State "O" #21	5-2-54	152	2	62210
State "O" #22	9-16-54	113	7	78285
State "O" #24	12-23-54	236	4	60165
State "Q" #5	9-27-53	333	10	148342
State "Q" #6	10-14-53	343	8	154487
State "R" #7	9-12-53	352	4	126833
State "R" #8	10-11-53	487	8	150290
State "R" #9	4-28-54	442	6	100084
State "R" #10	5-19-54	336	5	107723
State "R" #11	6-3-54	297	5	117540
State "R" #12	9-18-54	309	6	115531
State "S" #3	6-24-54	265	9	120134
State "Y" #2	4-22-54	249	5	77643
State "Y" #3	10-29-54	77	2	29658
State "Y" #4	3-18-55	120	4	43601
Webb #2	7-17-52	360	3	154076
Sunray DK Oil Company				
M. Caylor #5	8-31-53	187	10	100617
M. Caylor #4	5-3-64	36	9**	71950
M. Caylor #6	10-3-53	301		
Tenneco				
State "Q" #1	8-25-54	96	5	54363
Texaco, Inc.				
M. Graham #1	4-11-53	293	6	112361
M. Graham #2	6-20-53	113	4	87401
M. Graham #3	10-3-53	223	6	86258
M. Graham #4	5-13-54	162	7	81458
Tidewater Oil Company				
State "M" #4	2-2-53	166	1	108805
State "M" #5	4-20-53	330	17	138992
T. E. Wright #1	6-25-53	244	7	72096

7531829

*This well is dedicated to the Lovington San Andres Unit effective 8-1-62.
The Paddock Zone was Shut-In during 1959 for Mechanical Reasons and was considered unusable as a Paddock Well.

** Common wells contributing to cumulative production on same proration unit.

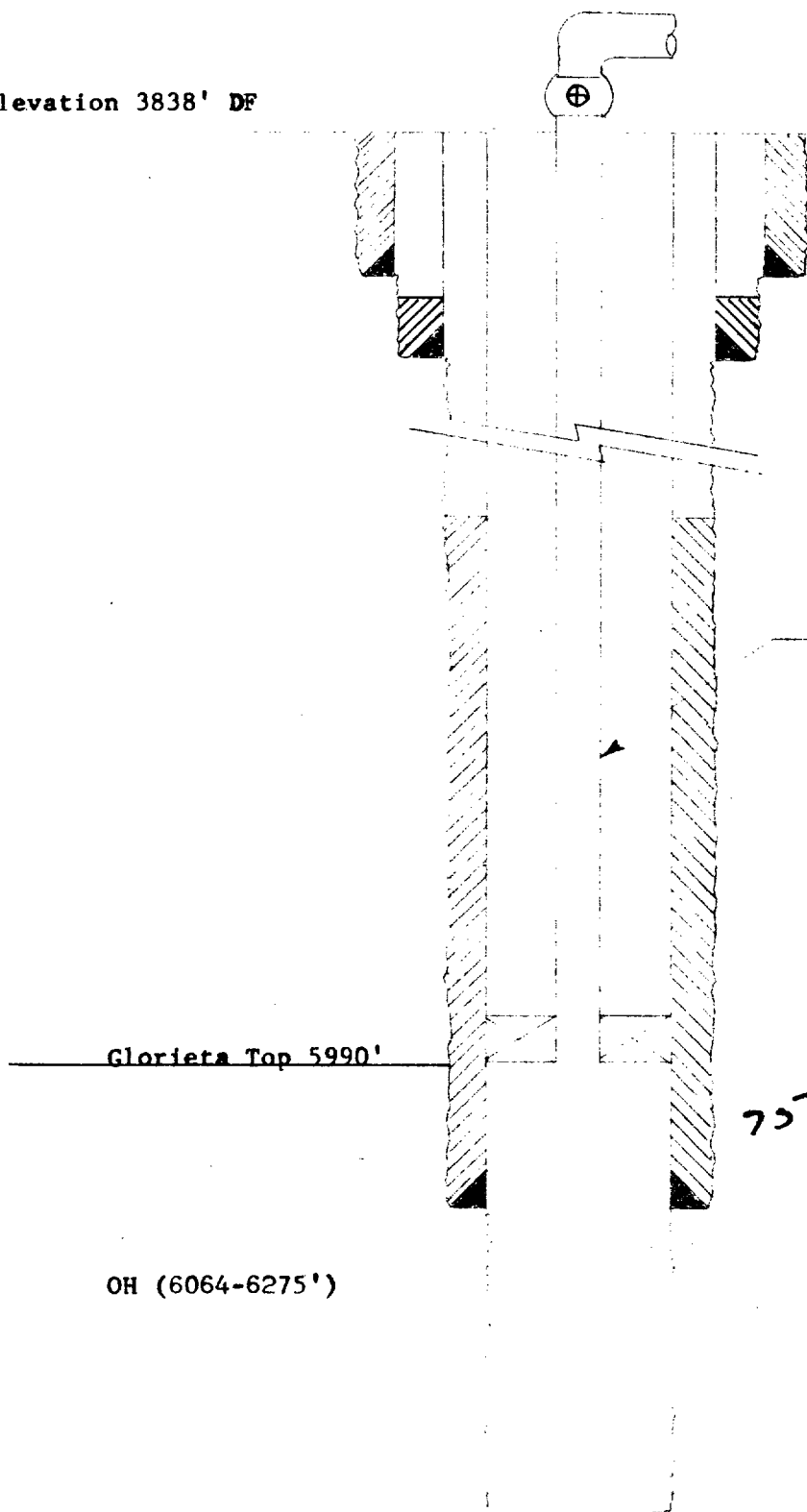
Skelly-State "O" #13 converted to Salt Water Disposal Well.

Sunray-M. Caylor #6-to be abandoned from the Paddock Zone.

PROPOSED LOVINGTON PADDOCK UNIT WIW

AMERADA PETROLEUM CORPORATION
STATE "LA" WELL NO. 20
1980' FSL & 1880' FWL, SEC. 1, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3838' DF



13 3/8" Csg Set @ 298'
Cmt w/275 Sks, Circulated

8 5/8" 24# J-55 Csg Set @ 3750'
Cmt w/1500 Sks
Top Cement @ 607'
(Survey)

Top Cement @ 3834'
(Survey)

2 3/8" Plastic Coated Tubing

5 1/2" X 2 3/8" Tension Type
Packer Set @ Approx. 5989'

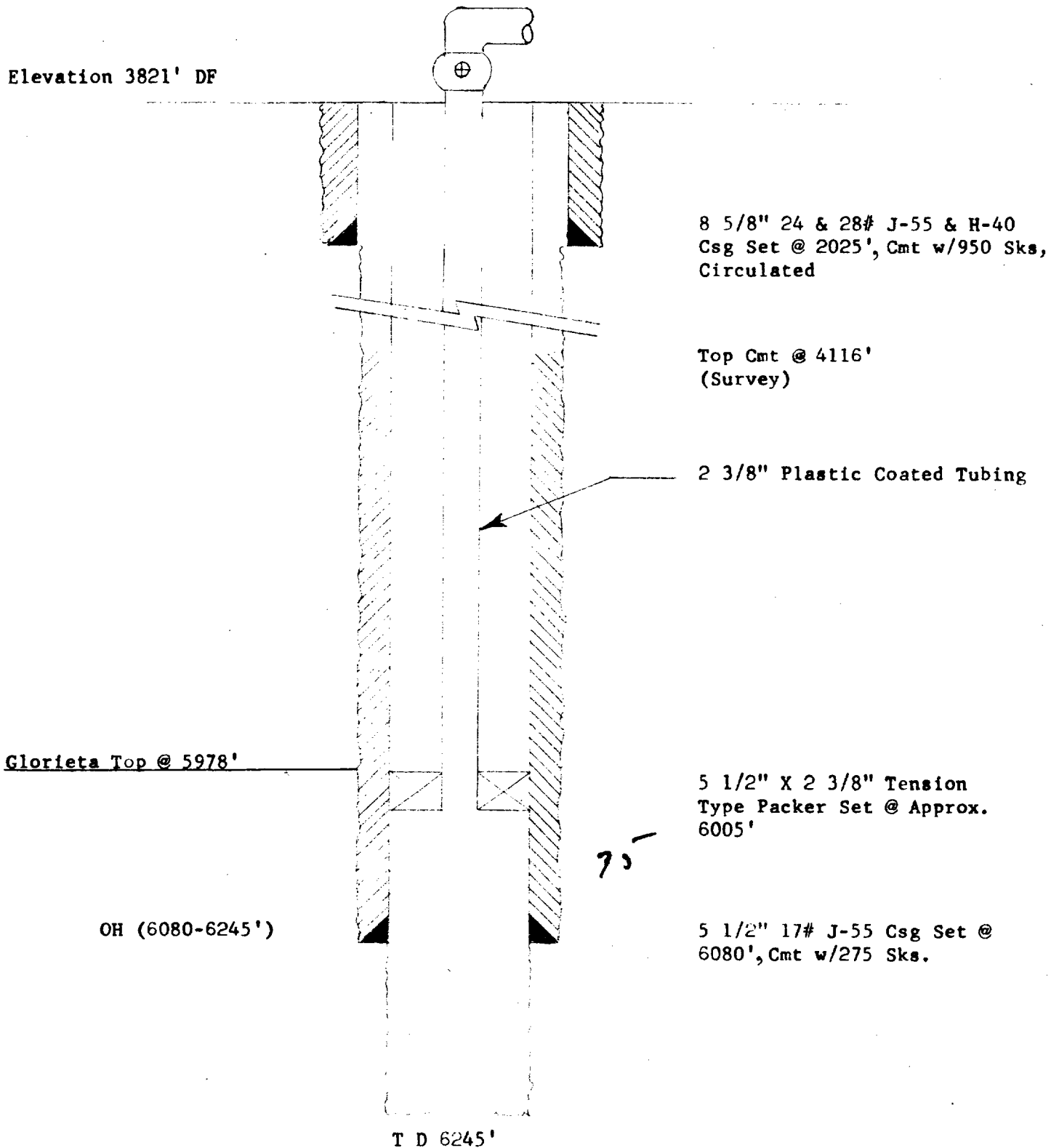
5 1/2" 15.5# J-55 Csg. Set
@ 6064', Cmt w/550 Sks

OH (6064-6275')

TD 6275'

PROPOSED LOVINGTON PADDOCK UNIT WIW

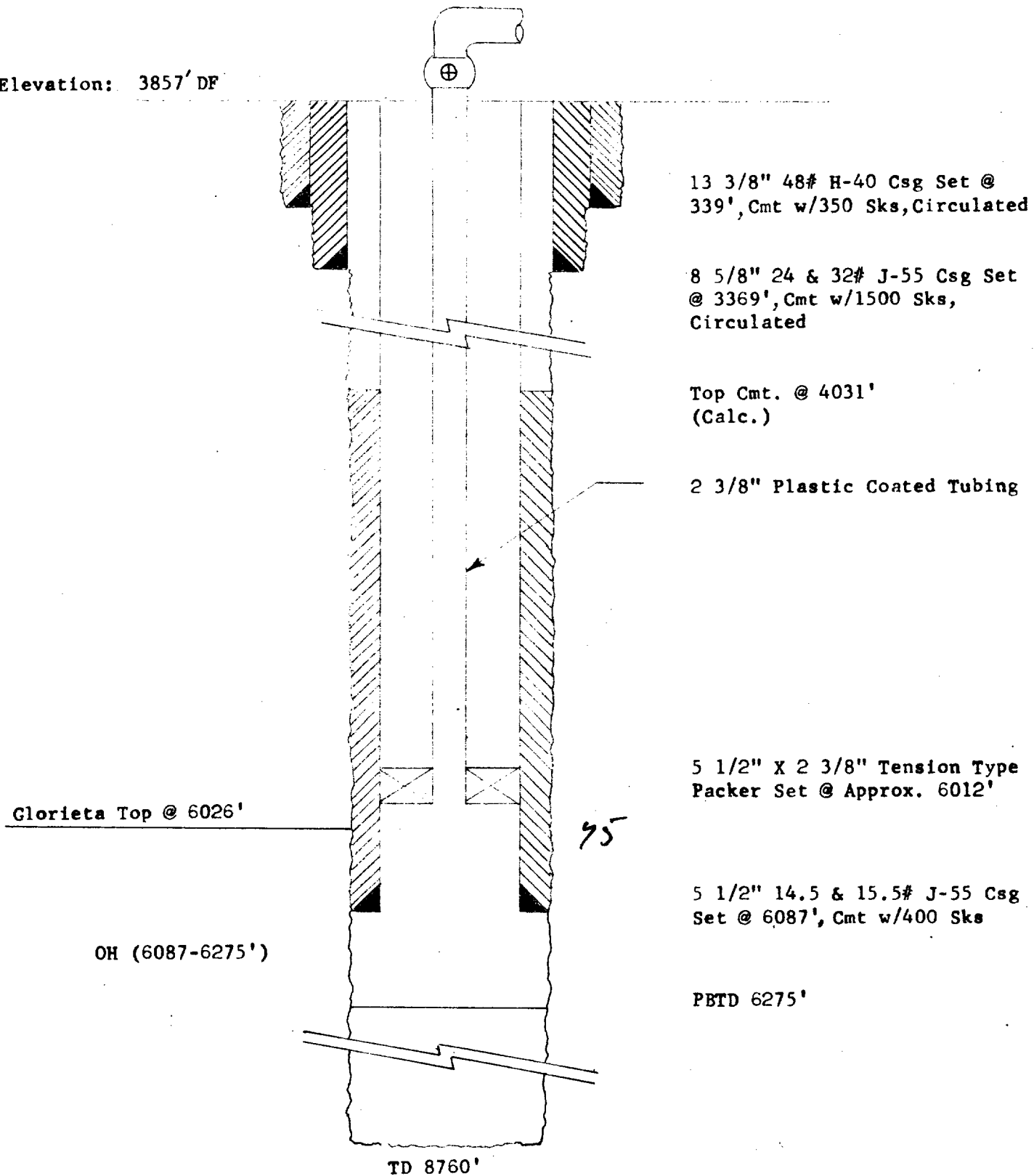
ASHLAND OIL AND REFINING COMPANY
C. S. CAYLOR WELL NO. 5
3540' FEL & 480' FNL, SEC. 6, T-17-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED LOVINGTON PADDOCK UNIT WIW

CITIES SERVICE OIL COMPANY
STATE "AE" WELL NO. 3
3630' FNL & 330' FEL, SEC. 35, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO

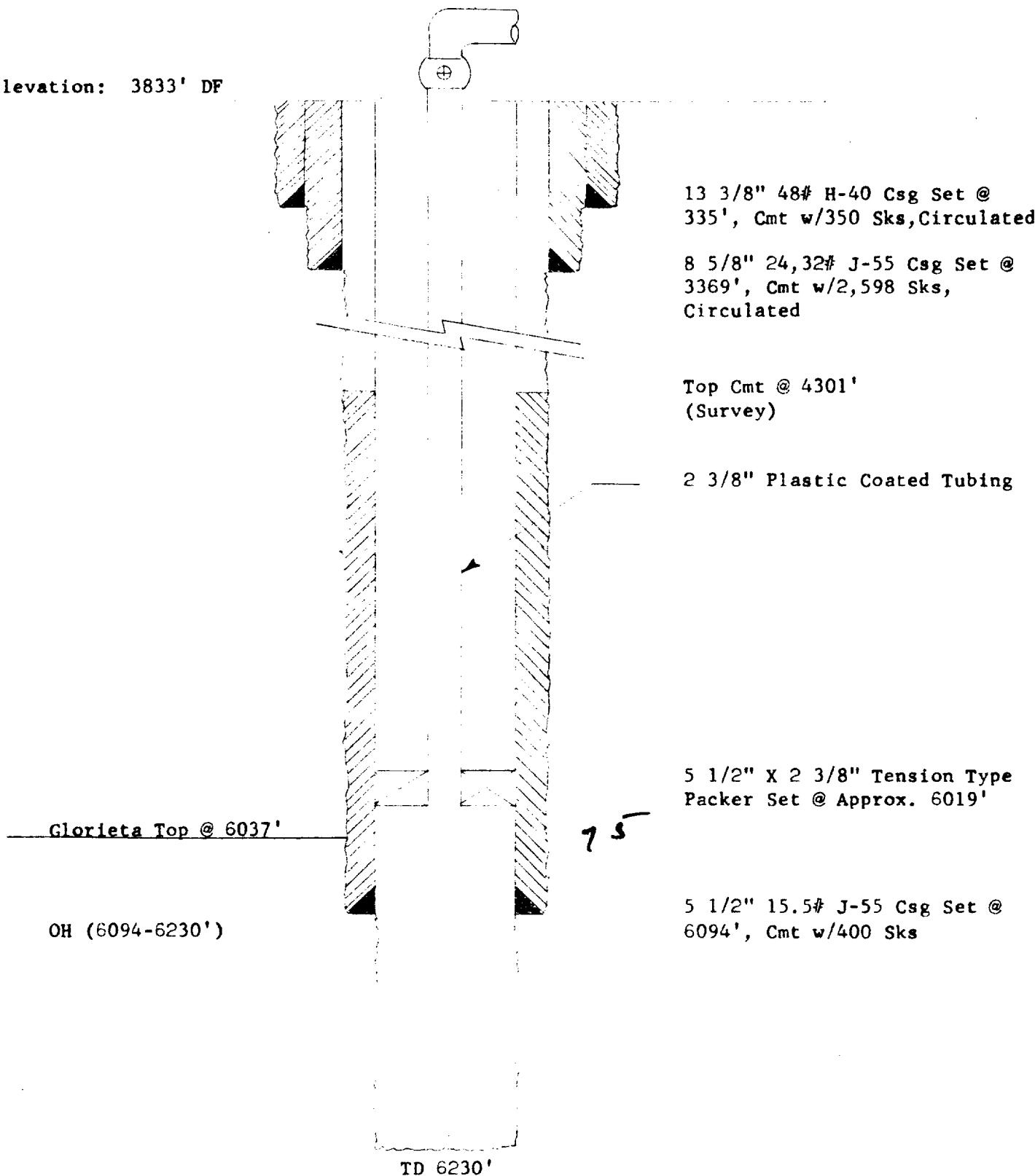
Elevation: 3857' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

CITIES SERVICE OIL COMPANY
STATE "AJ" WELL NO. 1
330' FNL & 2970' FEL, SEC. 12, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

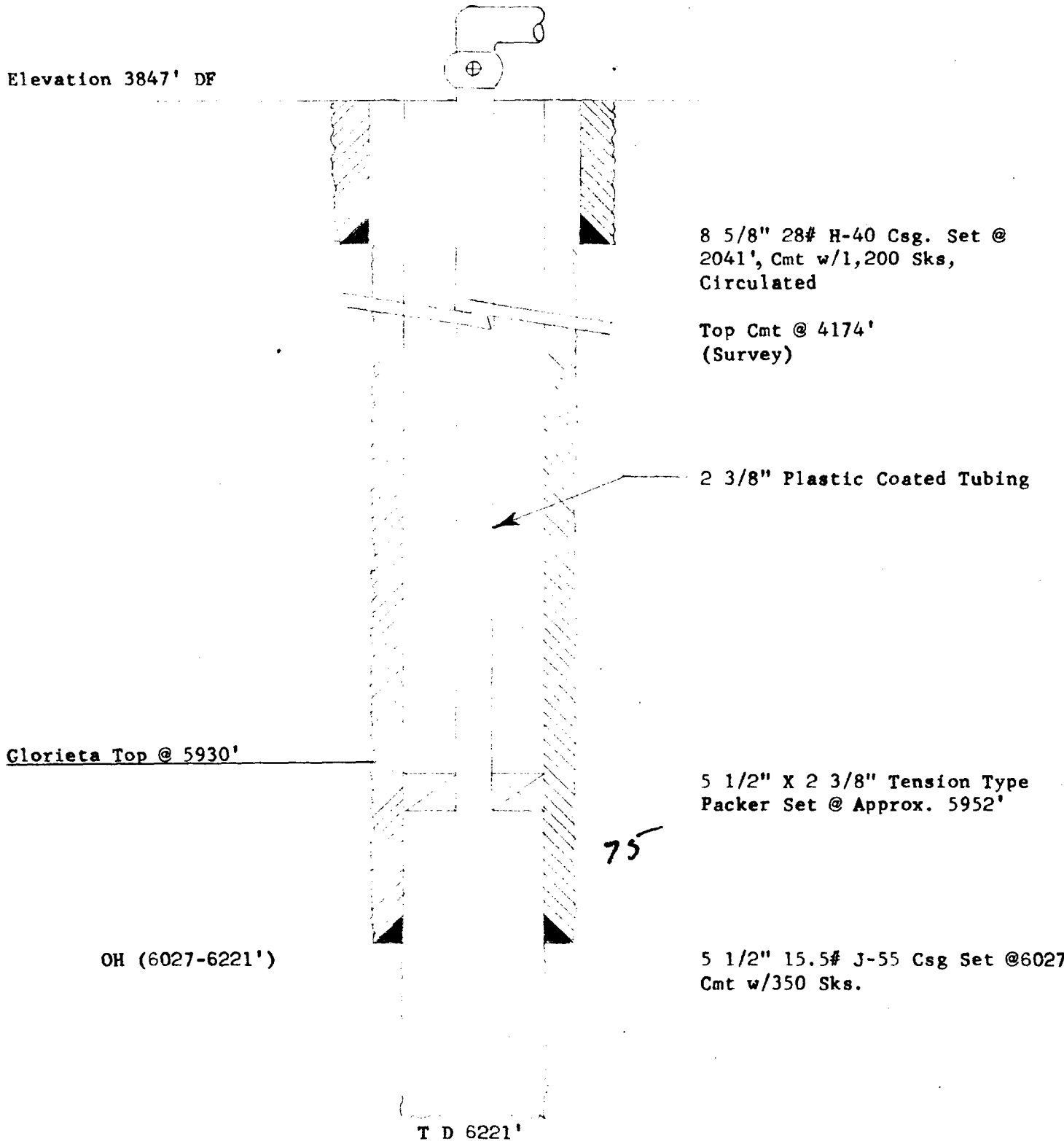
Elevation: 3833' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

LEE DRILLING COMPANY
STATE "E" WELL NO. 1
2310' FWL & 660' FNL, SEC. 1, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

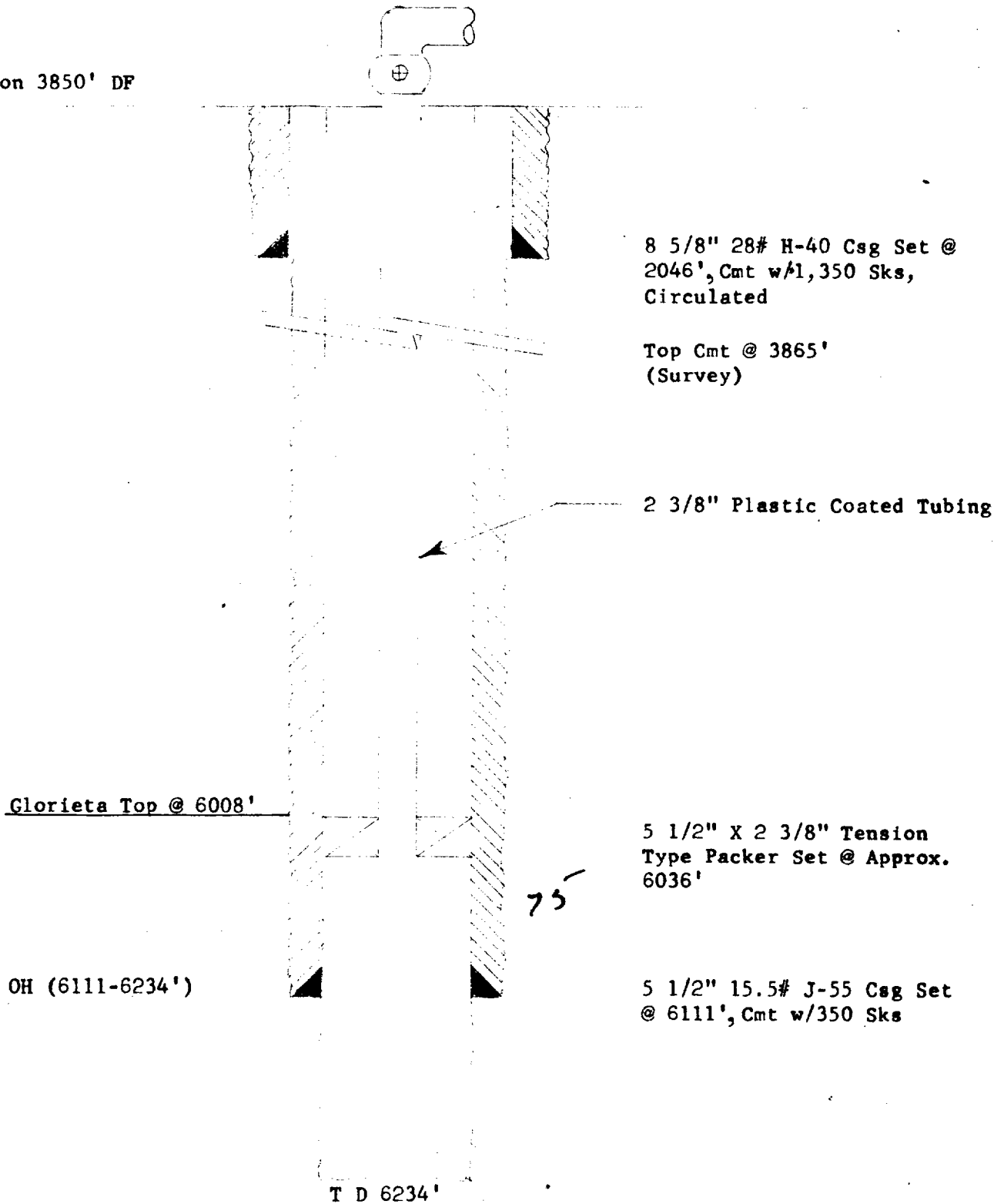
Elevation 3847' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

LEE DRILLING COMPANY
STATE "E" WELL NO. 5
660' FNL & 330' FEL, SEC. 2, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3850' DF

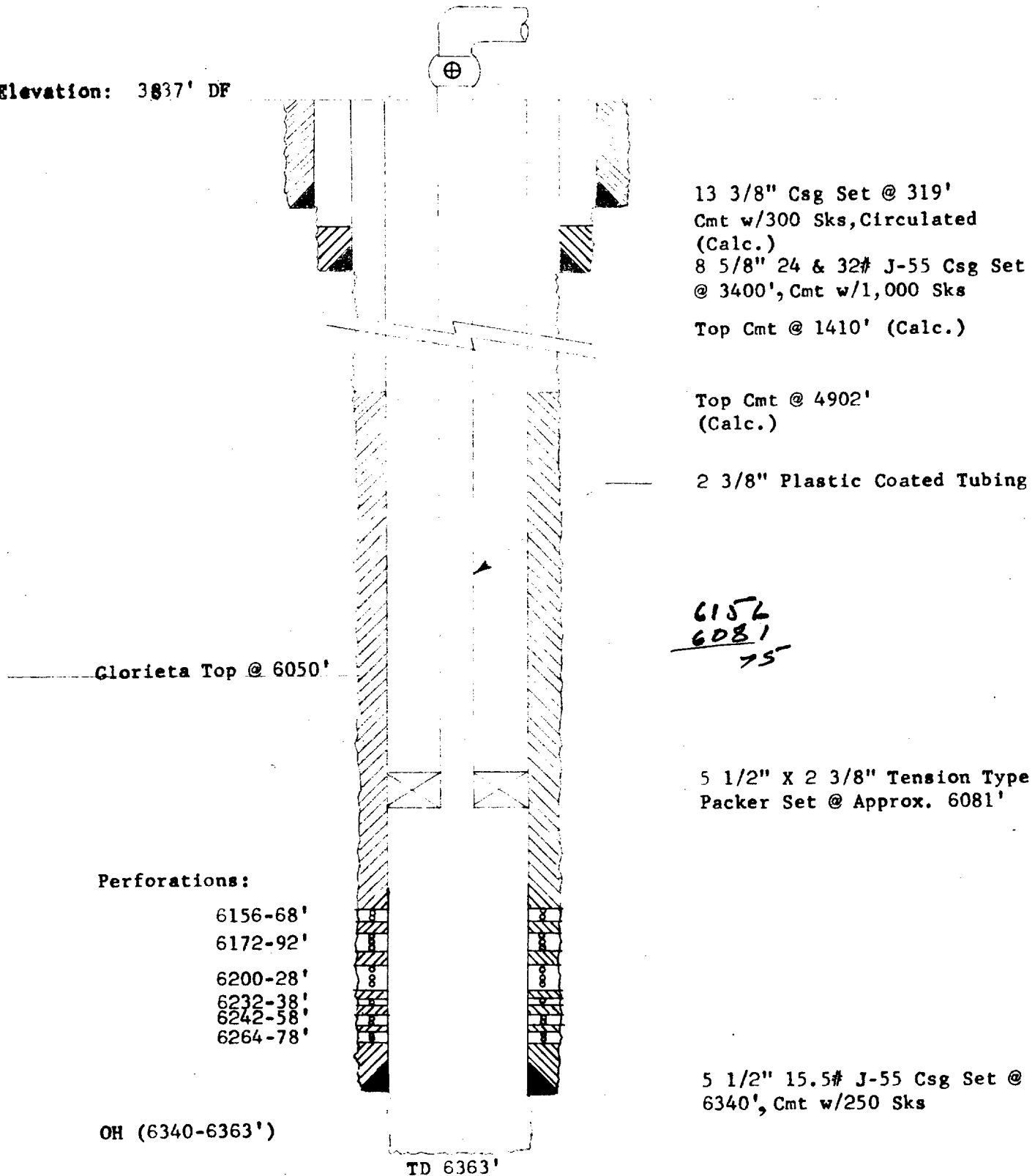


PROPOSED LOVINGTON PADDOCK UNIT WIW

W. D. MC BEE
STATE "A" WELL NO. 2
660' FN & E LINES, SEC. 12, T-17-S, R-36-E

LEA COUNTY, NEW MEXICO

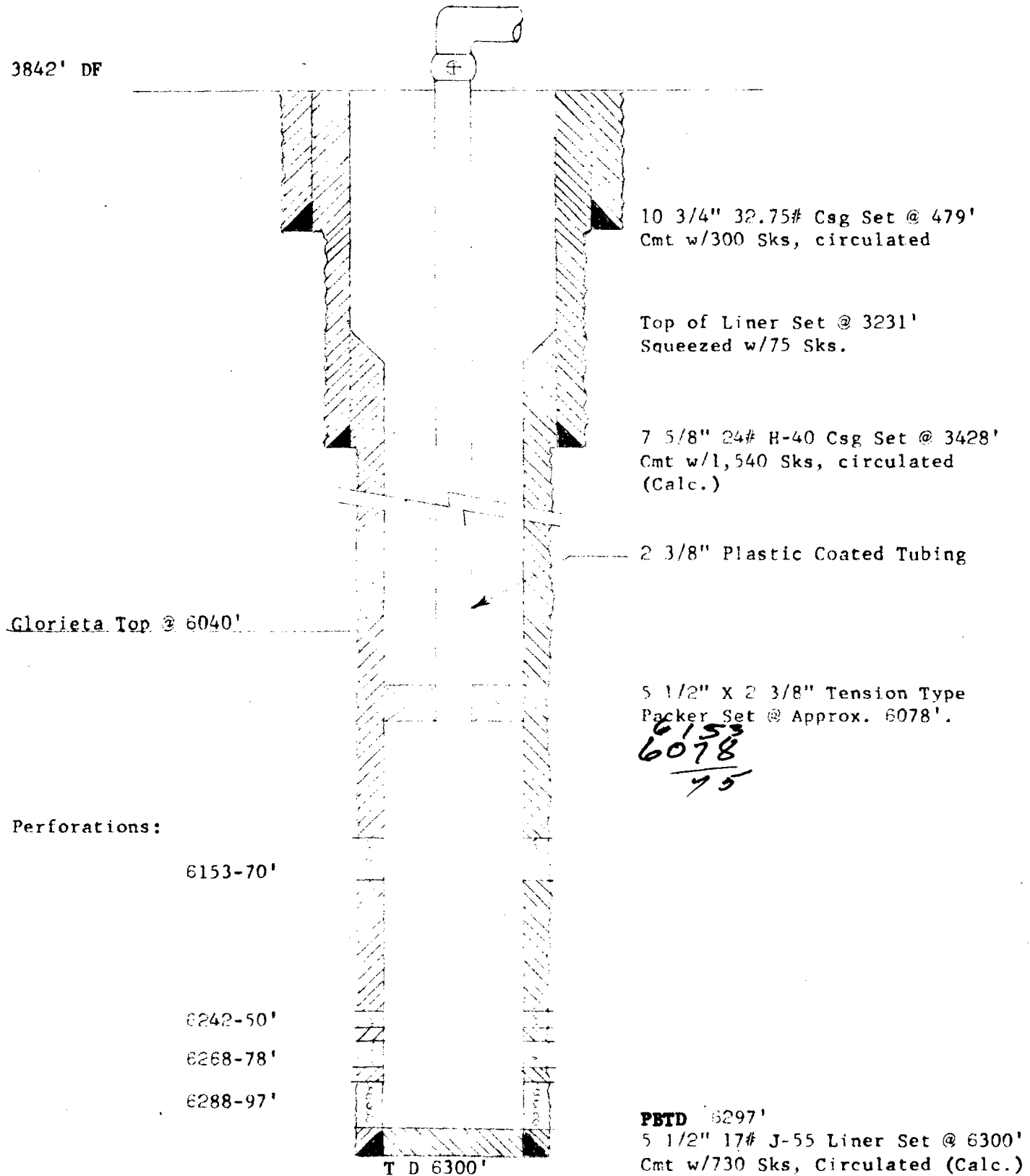
Elevation: 3837' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

MOBIL OIL CORPORATION
STATE "K" WELL NO. 4
1650' FSL & 330' FEL, SEC. 25, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO

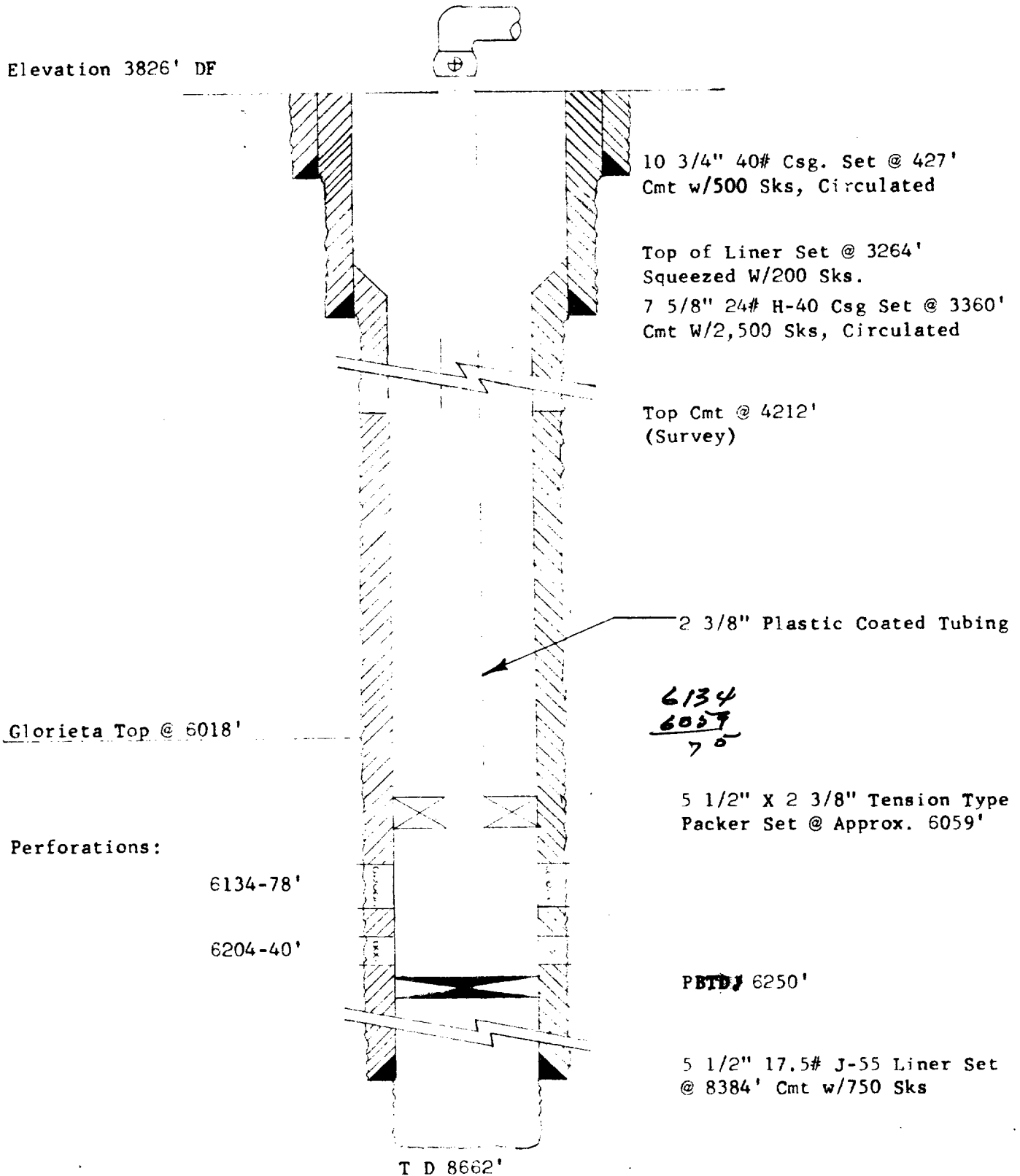
Elevation 3842' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

MOBIL OIL CORPORATION
STATE "R" WELL NO. 10
1980' FSL & 660' FEL, Sec. 1, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3826' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

MOBIL OIL CORPORATION
STATE "R" WELL NO. 12
1980' FSL & 560' FEL, SEC. 2, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3840' DF

Glorieta Top @ 6015'

Perforations:

6169-94'

6262-94'

6318-24'

10 3/4" 33# Csg Set @ 461'
Cmt w/400 Sks, Circulated

Top of Liner Set @ 3258'
Cmt Circulated

7 5/8" 24# H-40 Csg Set @
3455', Cmt w/1491 Sks,
Circulated

2 3/8" Plastic Coated Tubing

5 1/2" X 2 3/8" Tension
Type Packer Set @ 6094'

6169
6094
75

PBTD. 6242'

PBTD 6302'

PBTD. 6400'

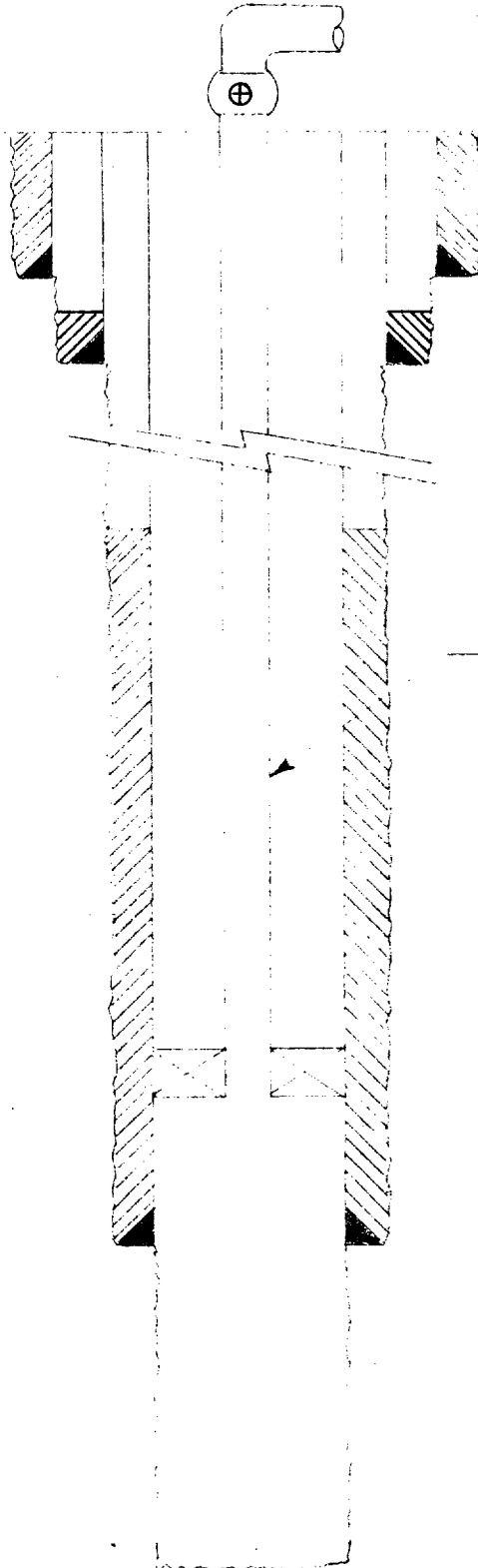
5 1/2" 17# J-55 Liner Set
@ 8916', Cmt w/830 Sks

T D 9746'

PROPOSED LOVINGTON PADDOCK UNIT WIW

SINCLAIR OIL & GAS COMPANY
STATE "182-A" WELL NO. 5
1980' FSL & 1960' FWL, SEC. 31, T-16-S, R-37-E
LEA COUNTY, NEW MEXICO

Elevation: 3830' DF



13 3/8" 48# Csg Set @ 303'
Cmt w/350 Sks, Circulated

8 5/8" 32# Csg Set @ 3414'
Cmt w/900 Sks
Top Cmt @ 1611' (Calc.)

Top Cmt @ 4642'
(Calc.)

2 3/8" Plastic Coated Tubing

Glorieta Top @ 5962'

6080
6005
75

5 1/2" X 2 3/8" Tension Type
Packer Set @ Approx. 6005'

5 1/2" 15.5# J-55 Csg. Set @
6080', Cmt w/250 sks

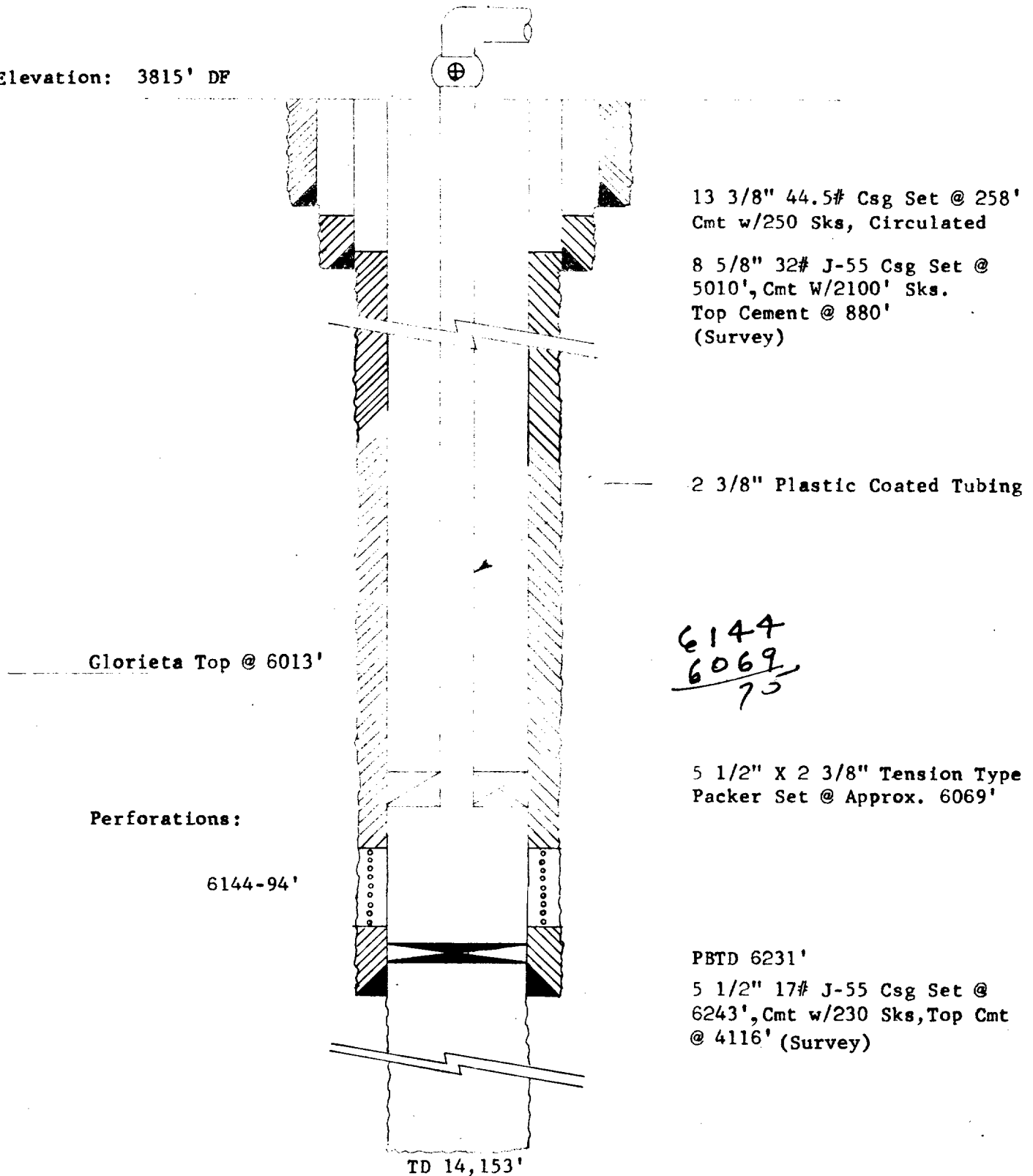
OH (6080-6275')

T D 6275'

PROPOSED LOVINGTON PADDOCK UNIT WIW.

SKELLY OIL COMPANY
C. S. CAYLOR WELL NO.5
330' FNL & 840' FEL, SEC. 6, T-17-S, R-37-E
LEA COUNTY, NEW MEXICO

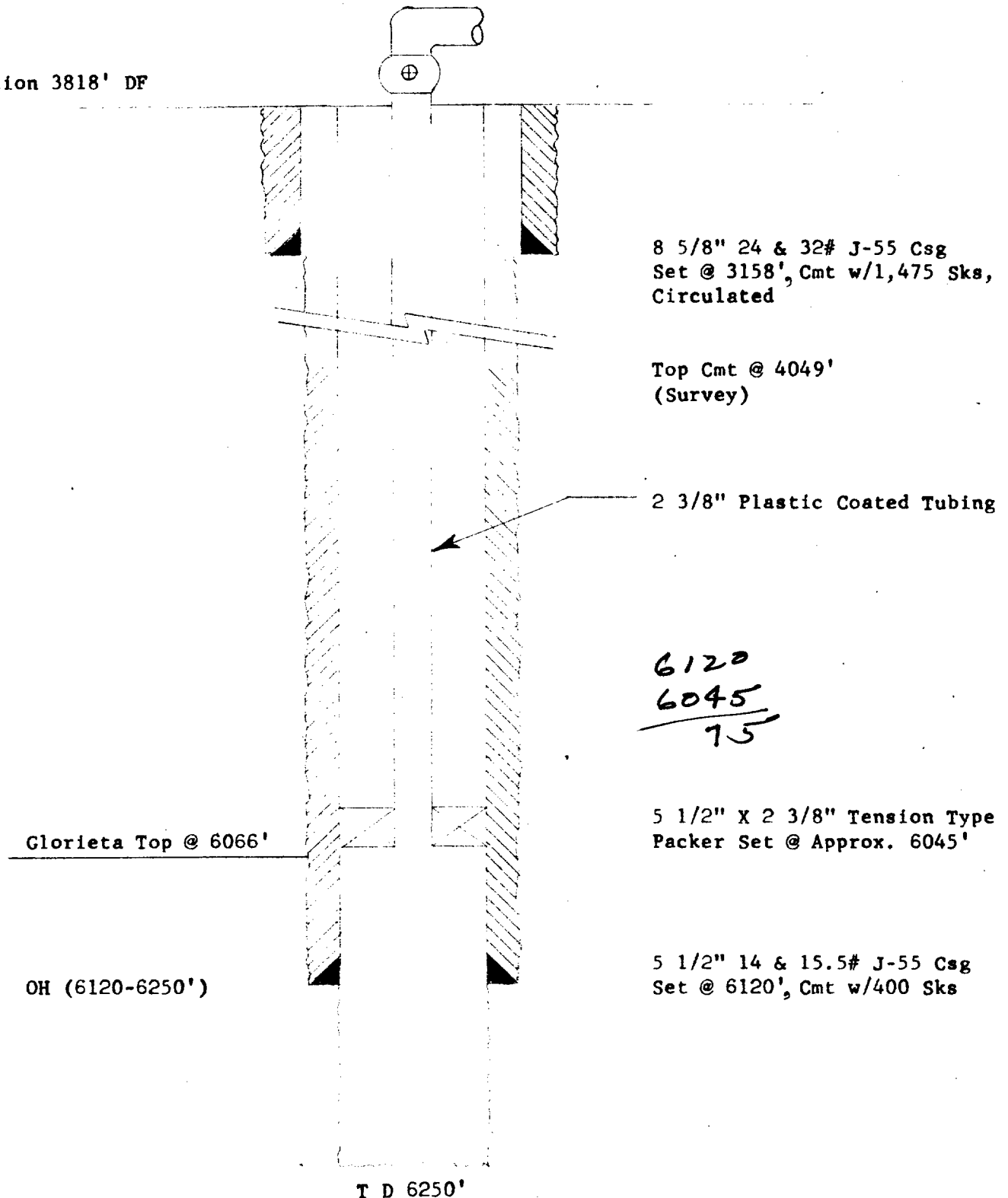
Elevation: 3815' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

SKELLY OIL COMPANY
M. E. CAYLOR WELL NO. 2
1980' FSL & 1890' FWL, Sec. 6, T-17-S, R-37-E
LEA COUNTY, NEW MEXICO

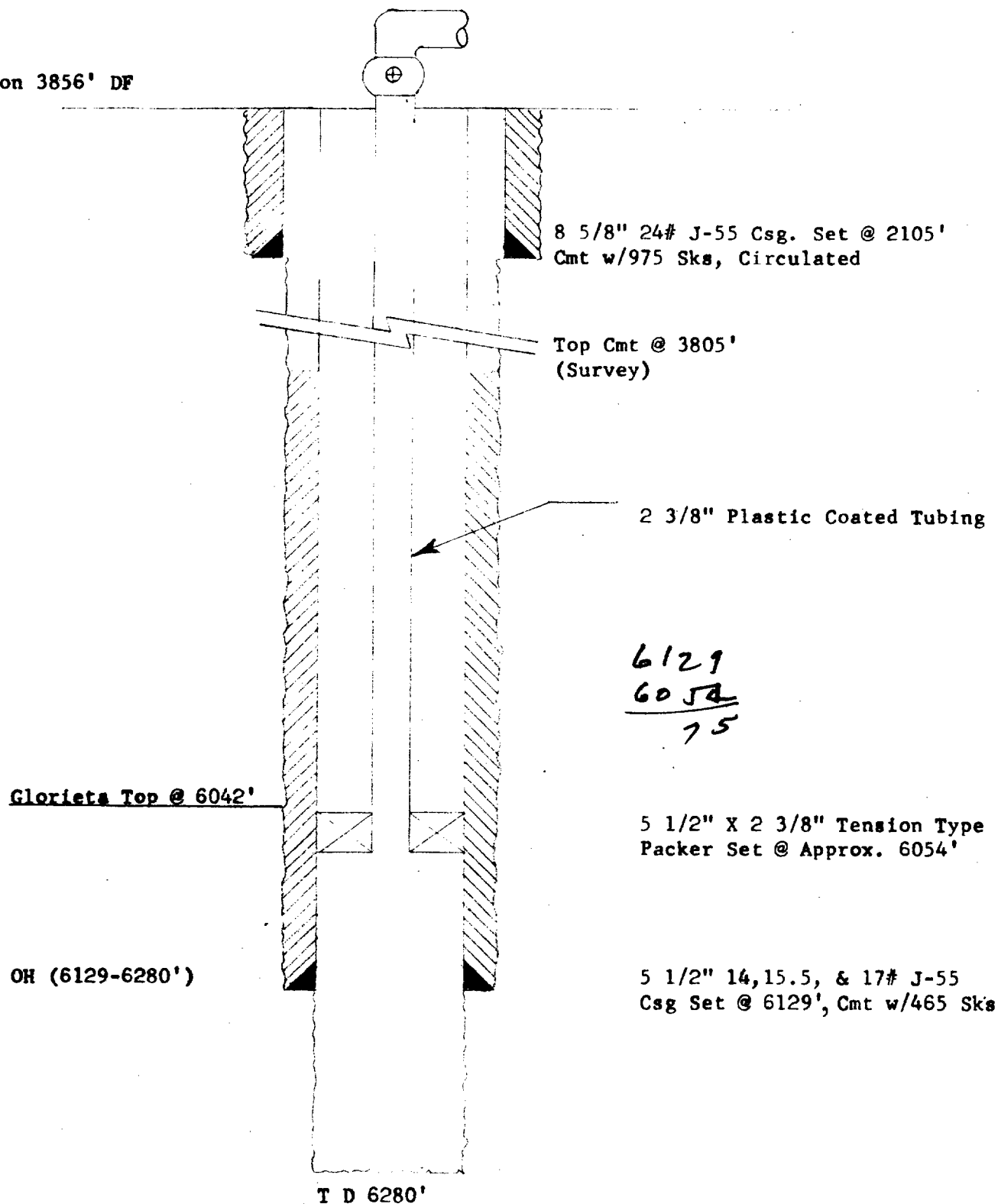
Elevation 3818' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

SKELLY OIL COMPANY
MEXICO "Y" WELL NO. 1
660' FNL & 330' FEL, SEC. 35, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3856' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

SKELLY OIL COMPANY
STATE "N" WELL NO. 3
880' FNL & 330' FEL, Sec. 36, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3849' DF

Glorieta Top @ 6017'

Perforations:

6148-60'

6190-6202'

6220-36'

OH(6258-79')

T D 6279'

8 5/8" 32# J-55 Csg Set @ 2115'
Cmt w/650 Sks, Circulated
Top Cmt @ 4874'
(Survey)

2 3/8" Plastic Coated Tubing

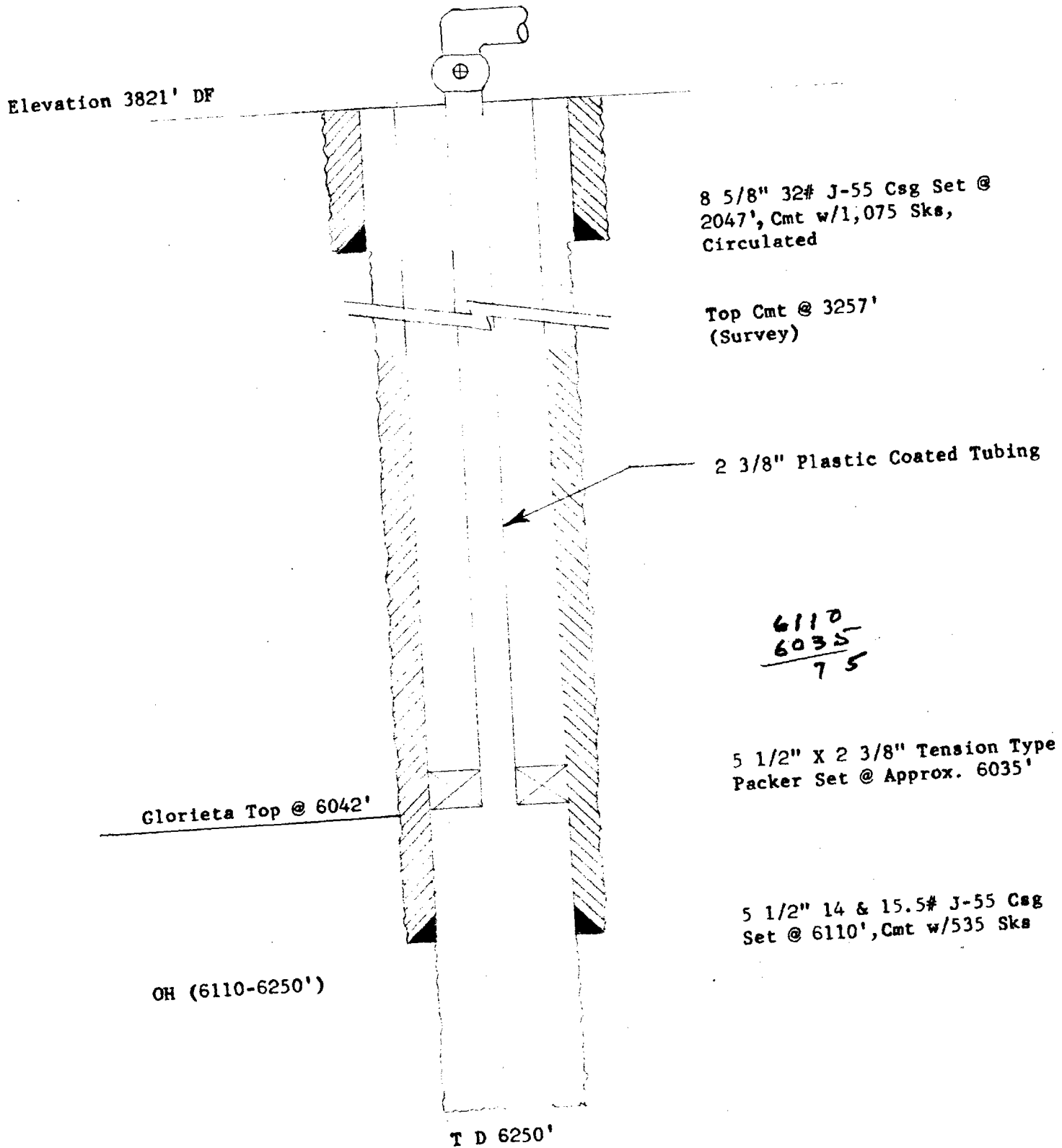
5 1/2" X 2 3/8" Tension Type
Packer Set @ Approx. 6098'.

6148
6098
50

5 1/2" 15.5 & 17# J-55 Csg.
Set @ 6258'
Cmt w/225 Sks

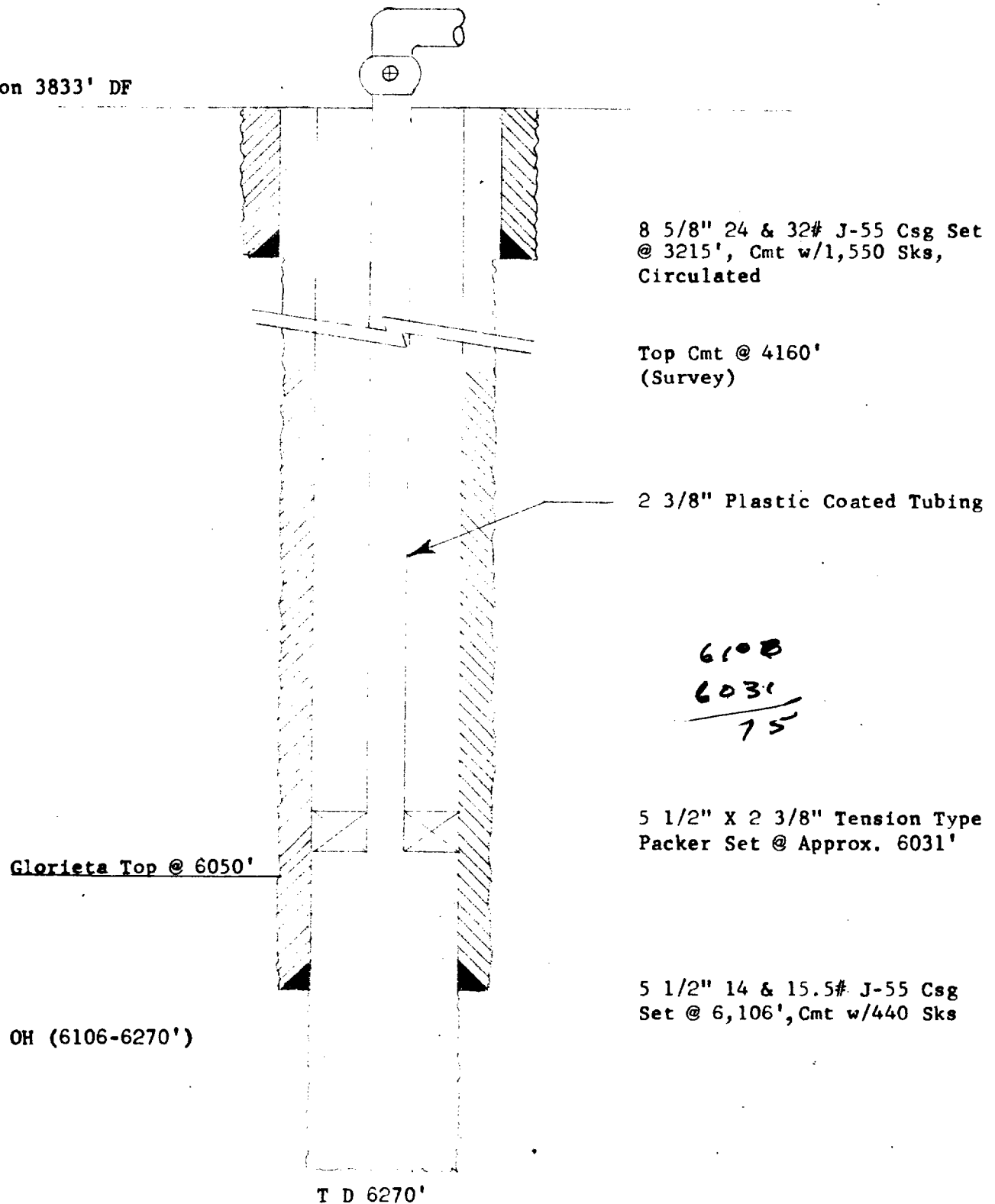
PROPOSED LOVINGTON PADDOCK UNIT WIW

SKELLY OIL COMPANY
STATE "O" WELL NO. 20
1830' FSL & 660' FEL, SEC. 31, T-16-S, R-37-E
LEA COUNTY, NEW MEXICO



PROPOSED LOVINGTON PADDOCK UNIT WIW
 SKELLY OIL COMPANY
 STATE "O" WELL NO. 24
 2130' FNL & 1980' FEL, SEC. 31, T-16-S, R-37-E
 LEA COUNTY, NEW MEXICO

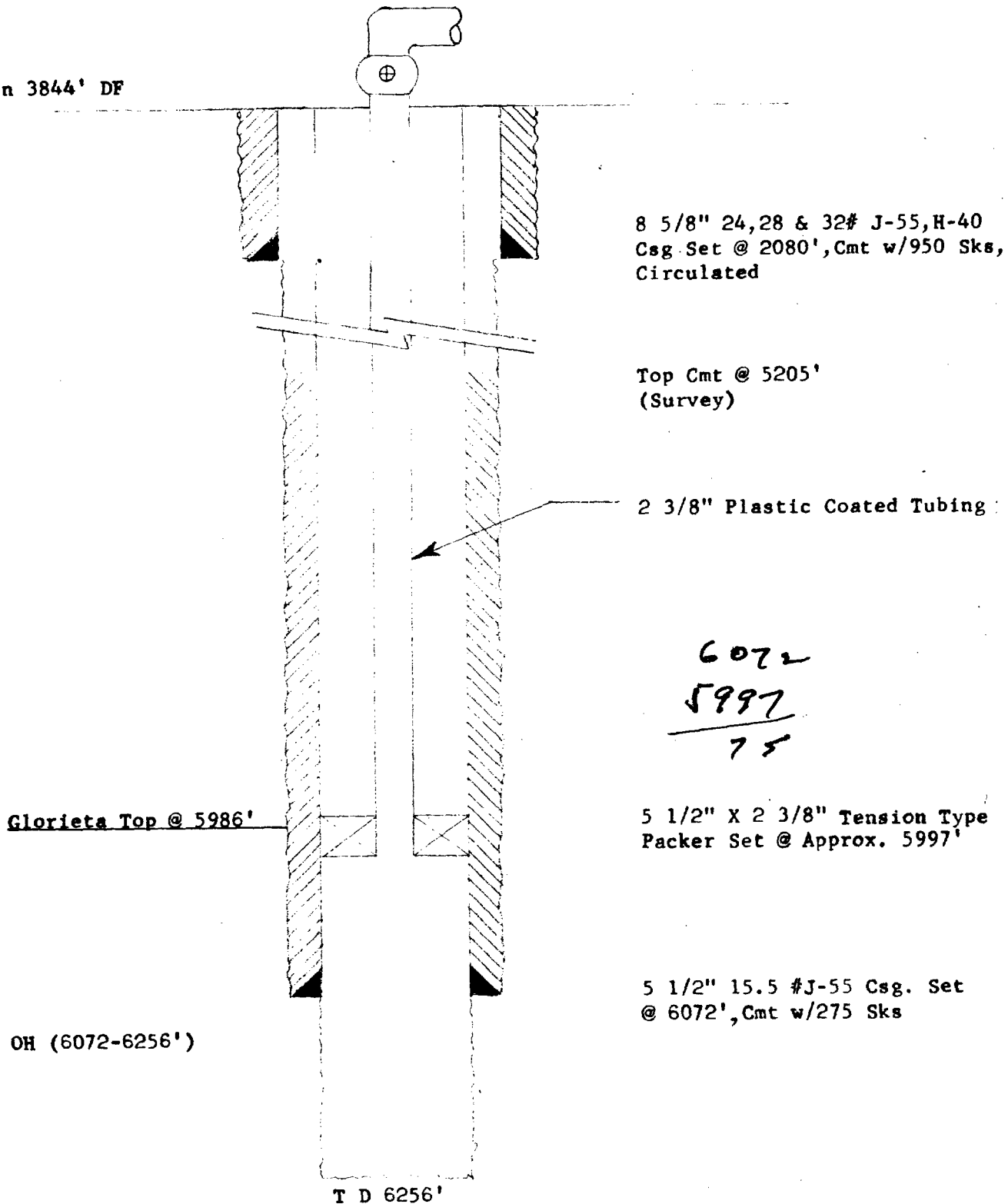
Elevation 3833' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

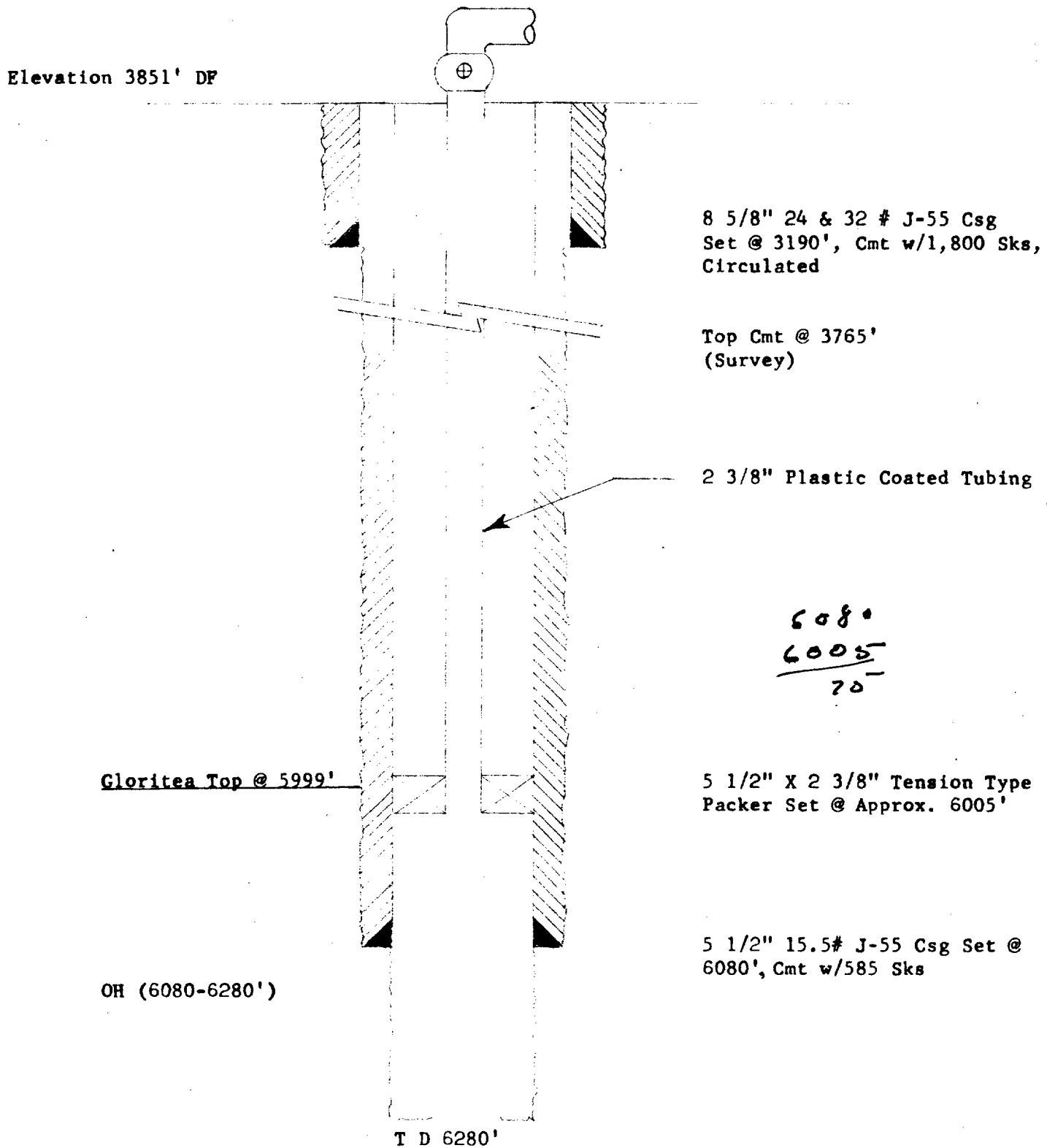
SKELLY OIL COMPANY
STATE "R" WELL NO. 8
2130' FS & W LINES, SEC. 36, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3844' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

SKELLY OIL COMPANY
STATE "R" WELL NO. 10
810' FNL & 2130' FWL, SEC. 36, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO



PROPOSED LOVINGTON PADDOCK UNIT WIW

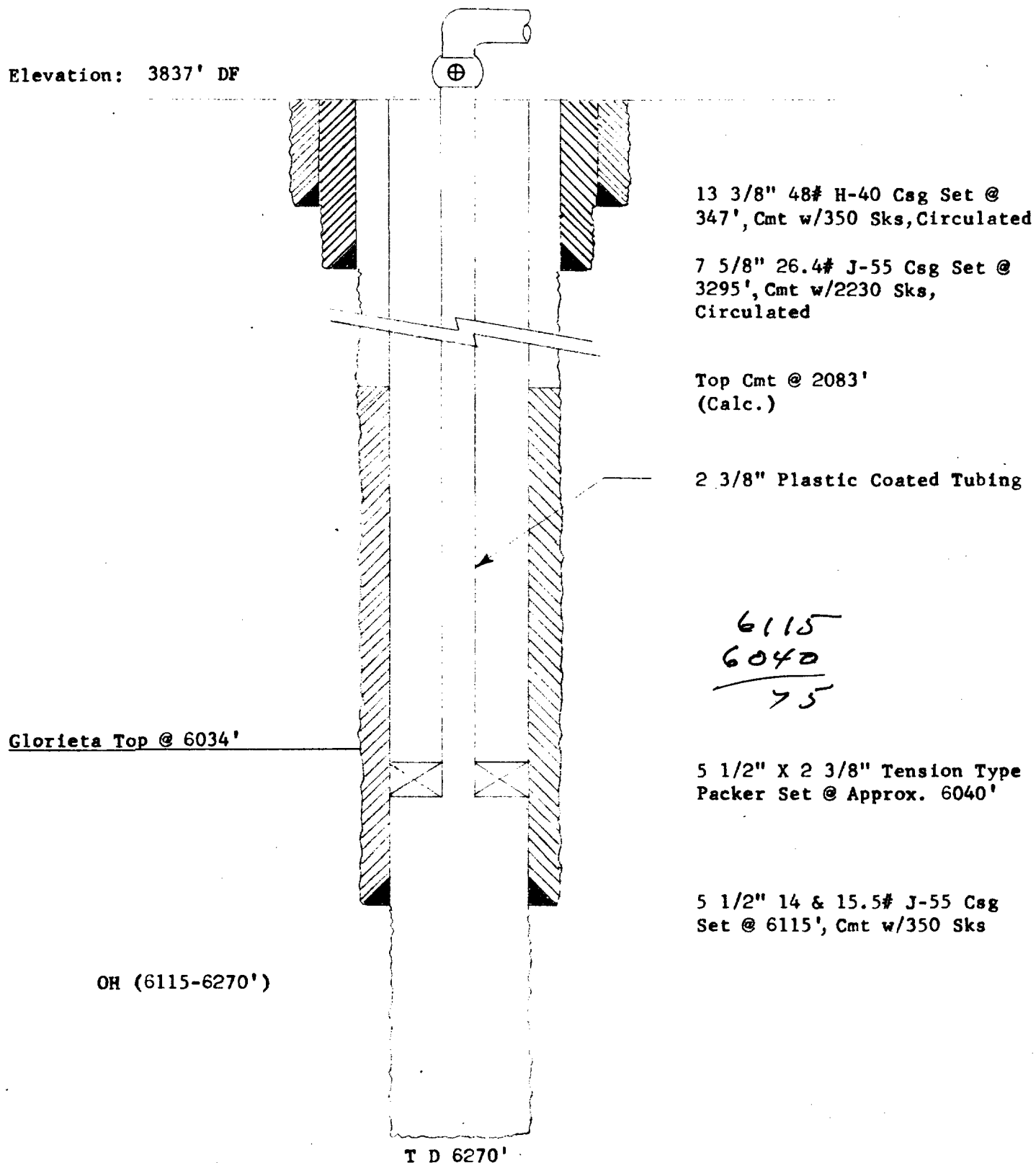
TEXACO, INC.

M. GRAHAM WELL NO. 3

940' FNL & 1980' FWL, SEC. 31, T-16-S, R-37-E

LEA COUNTY, NEW MEXICO

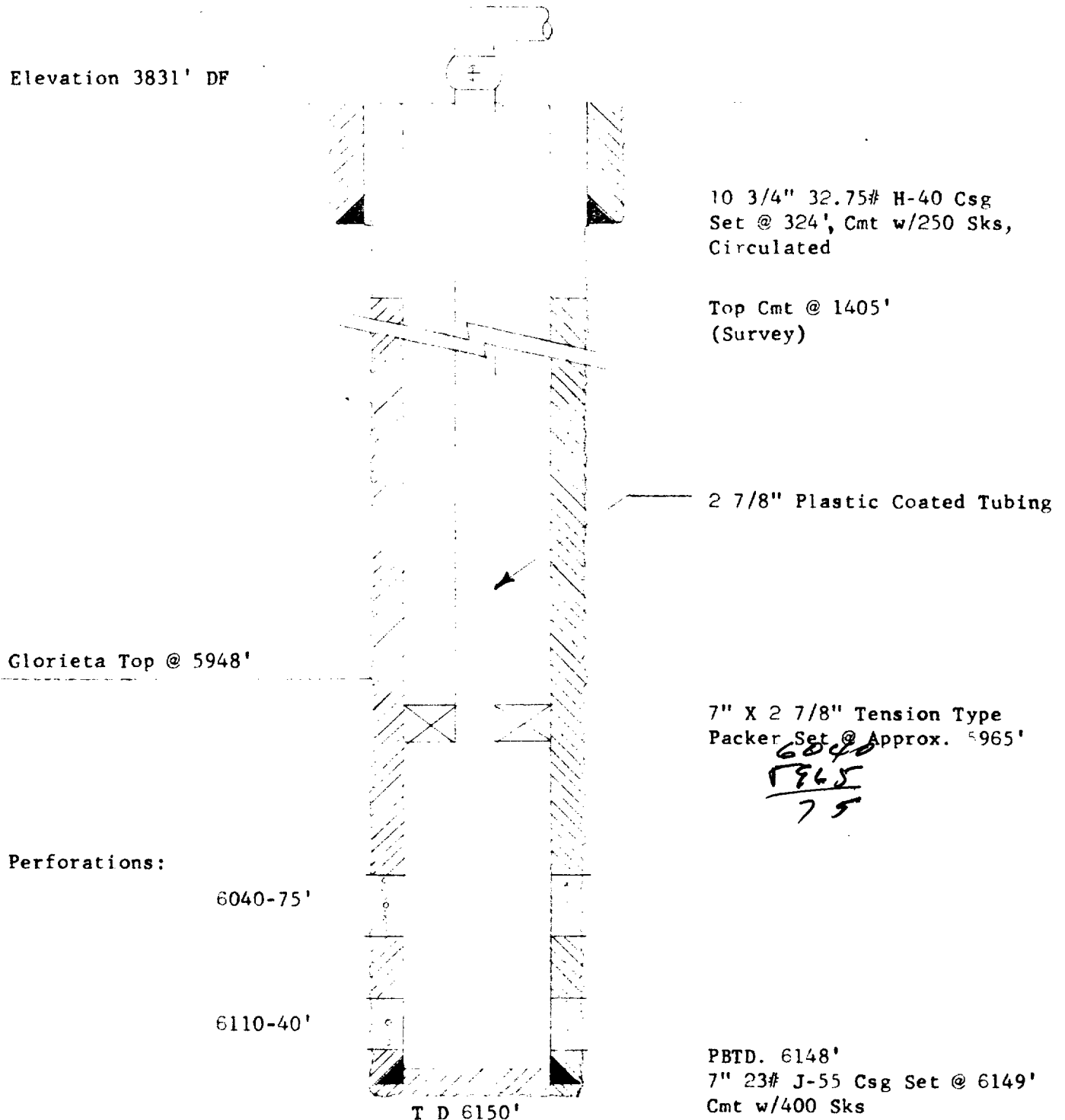
Elevation: 3837' DF



PROPOSED LOVINGTON PADDOCK UNIT WIW

TIDEWATER OIL COMPANY
STATE "M" WELL NO. 4
1650' FSL & 430' FEL, SEC. 36, T-16-S, R-36-E
LEA COUNTY, NEW MEXICO

Elevation 3831' DF

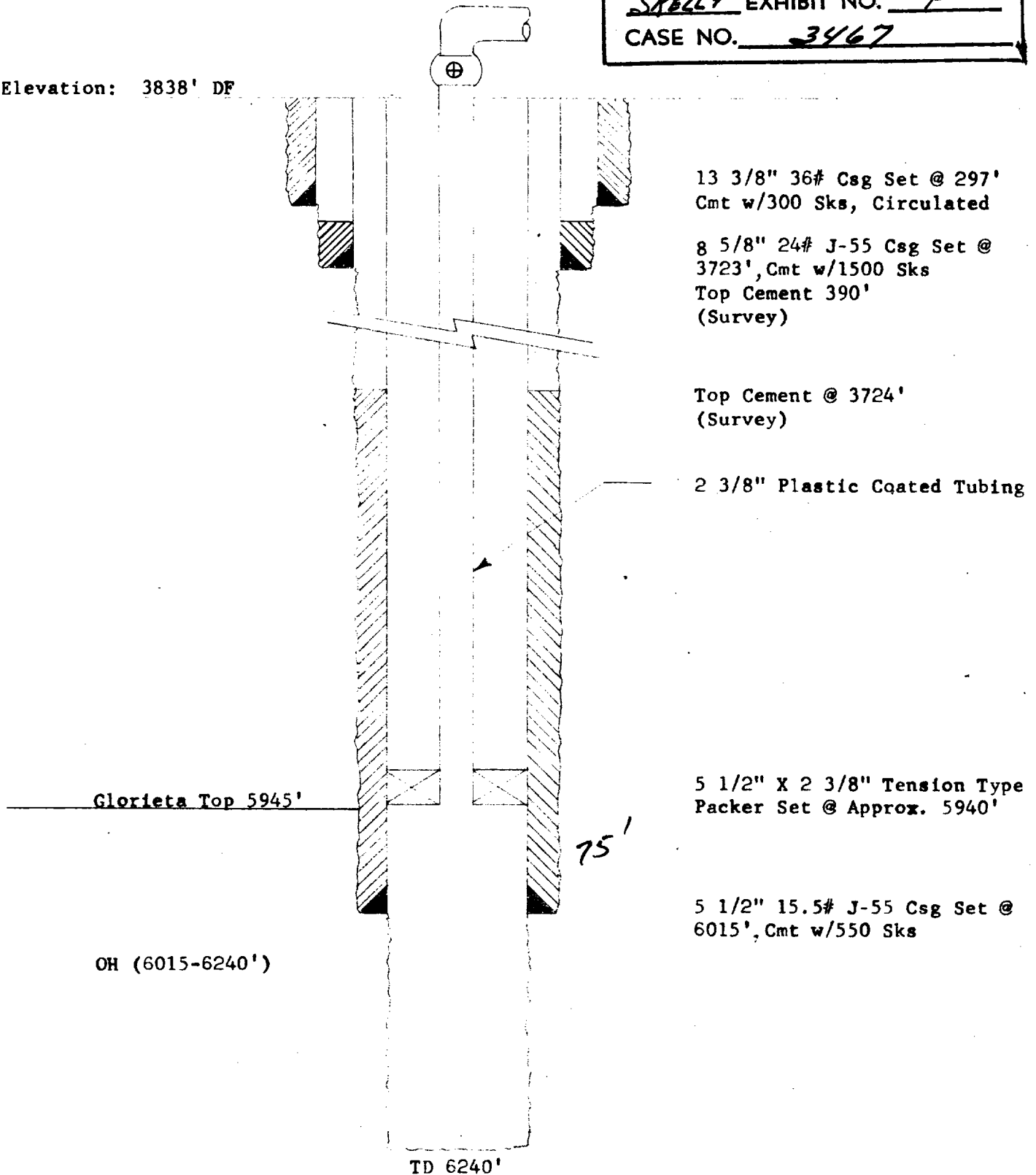


PROPOSED LOVINGTON PADDOCK UNIT WIW

AMERADA PETROLEUM CORPORATION
STATE "LA" WELL NO. 16
760' FNL & 660' FEL, SEC. 1, T-17-S, R-36-E
LEA COUNTY, NEW MEXICO

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
SKELLY EXHIBIT NO. F
CASE NO. 3467

Elevation: 3838' DF



Treat-Rite Water Laboratories, Inc.

BOX 548 - MONAHANS, TEXAS

RESULT OF WATER ANALYSES

TO: Mr. A. R. Baumgardner LABORATORY NO. M105958
P. O. Box 38, Hobbs, New Mexico SAMPLE RECEIVED 10-23-59
 RESULTS REPORTED 10-31-59

COMPANY Skelly Oil Company LEASE Lovington
 FIELD OR POOL Lovington
 SECTION _____ BLOCK _____ SURVEY _____ COUNTY Lea STATE N. M.

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Fresh water - taken from storage tank at gasoline plant. 10-23-59
 NO. 2 Produced (San Andres) water - taken from heater-treater on State "R". 10-23-59
 NO. 3 Produced (Padlock) water - taken from heater-treater on State "R" & "O". 10-23-59
 NO. 4 Produced (Abo) water - taken from heater-treater on State "O". 10-23-59

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
SPECIFIC GRAVITY AT 60°F.	1.0028	1.0529	1.1036	1.0304
PH WHEN SAMPLED	7.5	7.3	6.7	7.2
PH WHEN RECEIVED	7.4	7.0	6.8	7.2
TOTAL ALKALINITY AS CaCO ₃	172	524	168	1,052
SATURATED VAPOR PRESSURE AS CaCO ₃	0	36	30	52
UNDERSATURATION AS CaCO ₃	-	-	-	-
TOTAL HARDNESS AS CaCO ₃	230	9,593	43,041	6,791
CALCIUM AS CaCO ₃	90	5,955	34,387	4,908
MAGNESIUM AS CaCO ₃	140	3,638	8,654	1,883
SODIUM AND/OR POTASSIUM				
SULFATE AS SO ₄	108	2,683	322	2,959
CHLORIDE AS NaCl	51	70,285	132,521	35,750
SILICA AS SiO ₂	13.6	5.0	11.9	7.8
IRON AS Fe	0.28	2.16	58.8	0
MANGANESE AS Mn				
BARIUM AS Ba	none	none	none	none
TURBIDITY ELECTRIC	0	28.7	23.4	50.0
COLOR AS Pt	0	30.8	27.4	36.3
DISSOLVED SOLIDS AT 103 °C				
TOTAL SOLIDS AT 103 °C				
TEMPERATURE °F.	65	110	116	116
CARBON DIOXIDE CALCULATED	10.8	52.4	67.2	137
DISSOLVED OXYGEN WINKLER	2.2	none	none	none
HYDROGEN SULPHIDE	none	10	none	1,500
RESIDUAL CHLORINE	none	none	none	none
RESISTIVITY OHMS/CC	1,600	16	10	26

NOTE: All Results Reported as Parts Per Million. Divide by 17.1 to Convert to Grains Per Gallon

Additional Determinations and Remarks Compatibility tests and letter of recommendation attached.

BEFORE EXAMINER UTZ
 OIL CONSERVATION COMMISSION
 SKELLY EXHIBIT NO. I
 CASE NO. 3967

ILLEGIBLE