

GENERAL OFFICE
Box 2040
TULSA, OKLA. 74102

AMERADA PETROLEUM CORPORATION
Box 668
HOBBS, NEW MEXICO 88240

November 12, 1968

AMERICAN
OIL FIELD

Nov 13 AM 8 07

WFX - 303

Nov 14 28

Mr. A. L. Porter, Secretary Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Re: Langlie Mattix Woolworth Unit,
Sections 27, 28, 33 & 34,
T-24-S, R-37-E, Lea County,
New Mexico

Dear Sir:

The New Mexico Oil Conservation Commission authorized a pilot injection project utilizing six (6) wells in the Langlie Mattix Woolworth Unit, operated by Amerada Petroleum Corporation, by Order No. R-2927, dated March 14, 1962. Water injection into the pilot area began during May, 1963. The project was expanded to include seven (7) additional injection wells by Order WFX No. 238, dated August 23, 1966.

Administrative approval is sought for four (4) injection wells. The three wells to be converted are:

- (1) L.M.W.U. 103 - Located in Unit "F",
Section 28
- (2) L.M.W.U. 802 - Located in Unit "F",
Section 33
- (3) L.M.W.U. 151 - Located in Unit "J",
Section 34

Approval is also sought for an injection well to be located in Unit "J", Section 33, which is to be drilled.

These wells, along with existing injection wells, are shown on the attached plat. The proposed injection wells are direct offsets to producing wells which have experienced response to water injection with the exception of Well No. 151. This well is included in the

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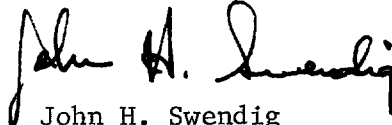
expansion since it is an extension of the waterflood and is directly offset by two producing wells which are expected to respond in the immediate future. Well tests for the responding wells offsetting the proposed injection wells are shown on the attached Form C-116 before and after response.

The injection water is from the Santa Rosa Formation, produced water and waste water from two El Paso Natural Gas Company gasoline plants. It is anticipated that the injection volume will be 500 barrels per day.

The following attachments accompany this request for administrative approval in compliance with Rule 701:

- (1) Plat showing all proposed injection wells and all other wells within two miles.
- (2) Diagramatic sketch of all proposed injection wells.
- (3) Form C-116 showing well tests before and after waterflood response.

Very truly yours,
AMERADA PETROLEUM CORPORATION



John H. Swendig
District Engineer

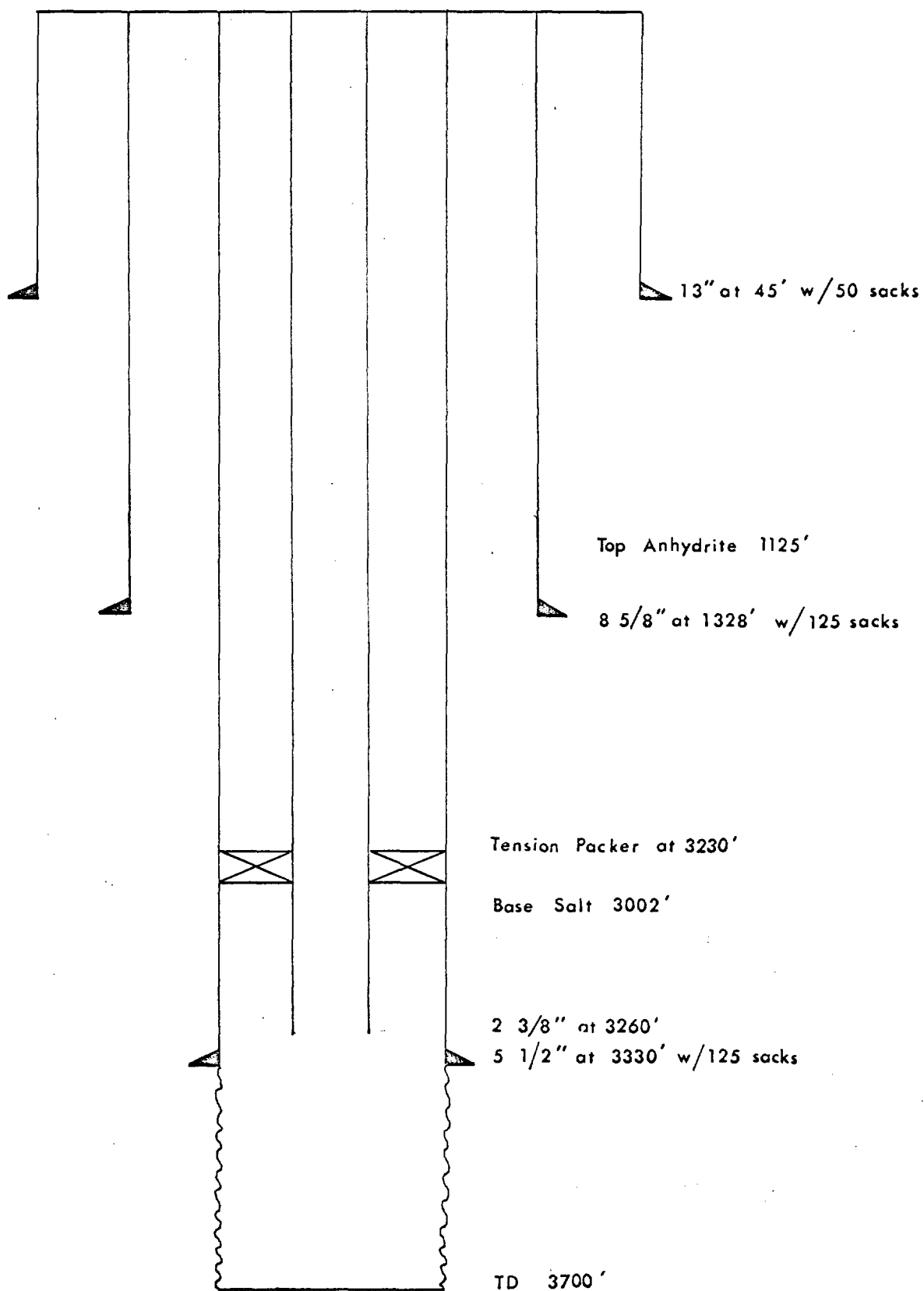
JHS/crl

Attachments

cc: N.M.O.C.C. - P.O. Box 2088 - Santa Fe, New Mexico (2)
N.M.O.C.C. - P.O. Box 1980 - Hobbs, New Mexico

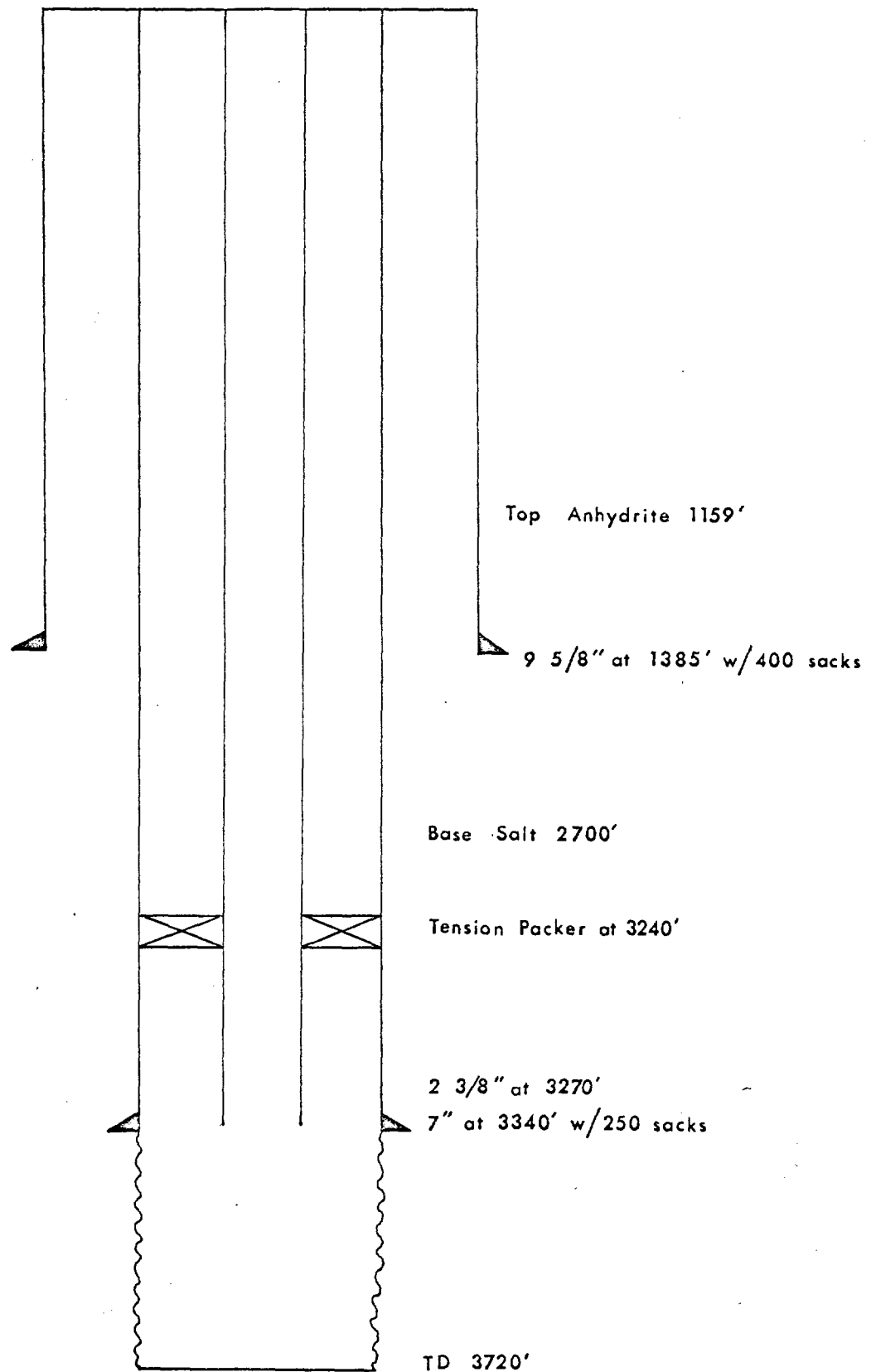
AMERADA PETROLEUM CORPORATION

L. M. W. U. 103



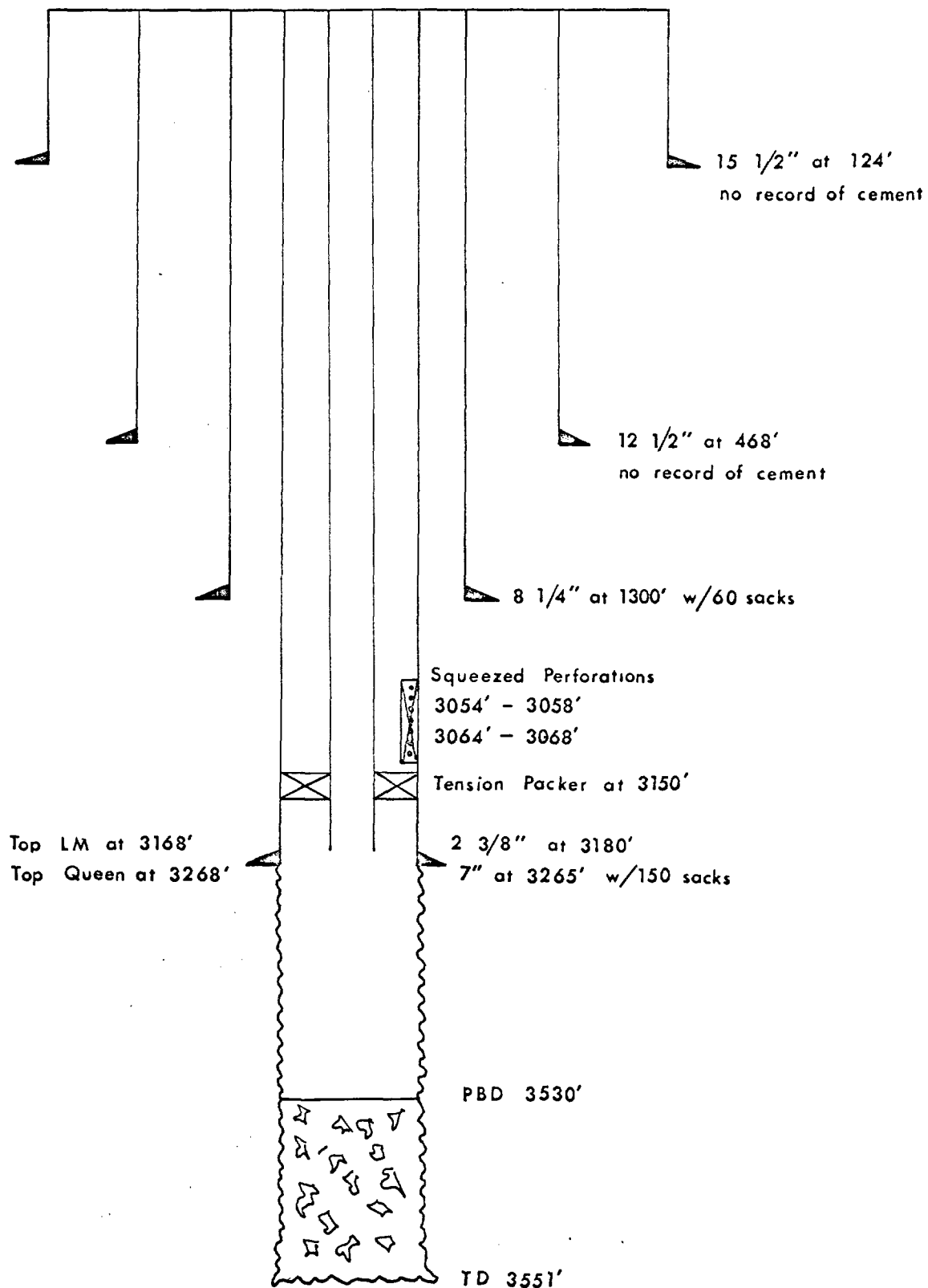
AMERADA PETROLEUM CORPORATION

L. M. W. U. 802



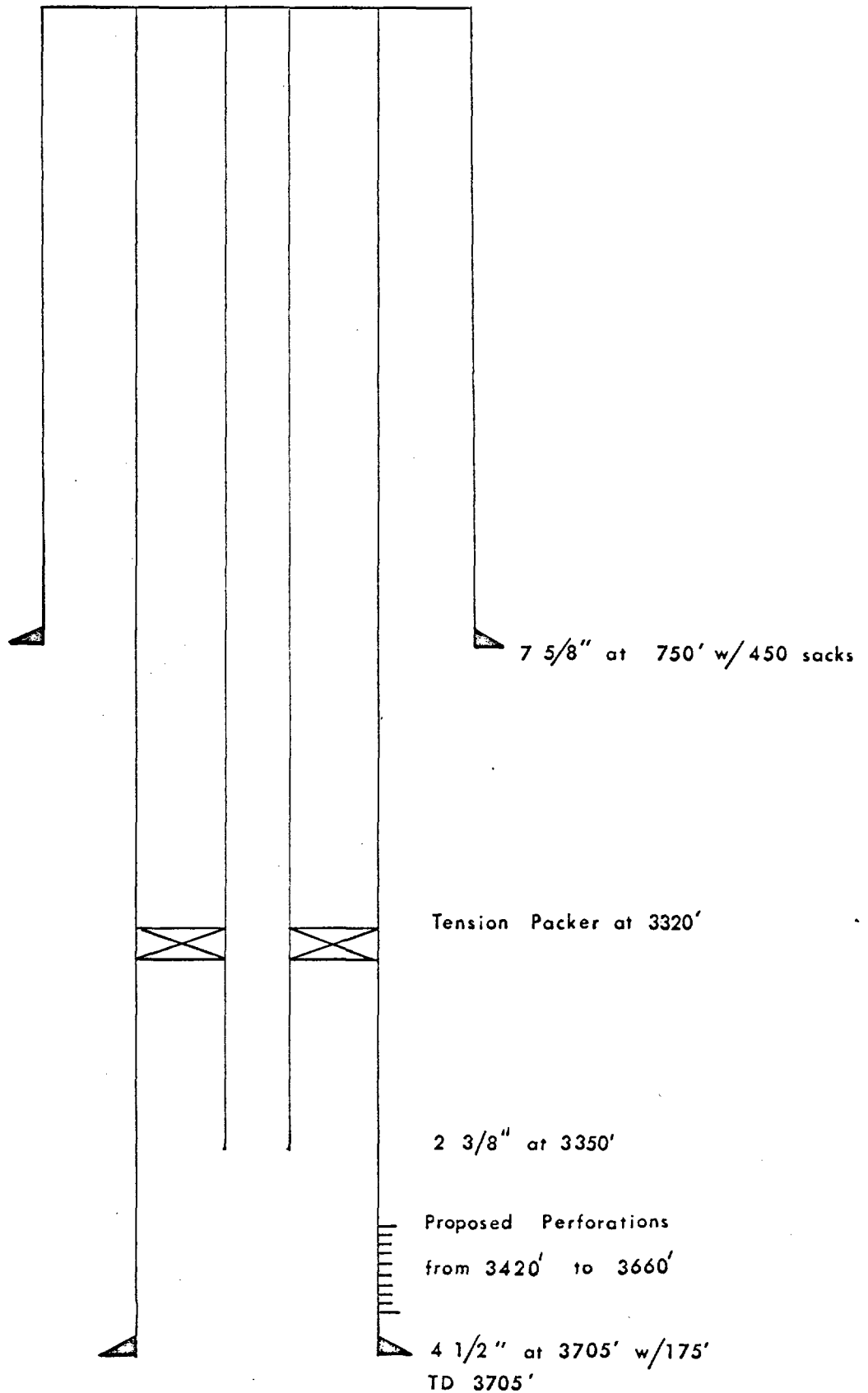
AMERADA PETROLEUM CORPORATION

L. M. W. U. 151



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L. M.W.U. 119



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County		Lea							
Amerada Petroleum Corporation		Langlie Mattix											
Address		P. O. Box 668 - Hobbs, New Mexico		TYPE OF TEST - (X)		Completion ☐ Special ☒							
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.
		U	S	T						R	WATER BBLs.	GRAV. OIL	
Langlie Mattix Woolworth Unit	305	G	28	24S	37E	11-29-67		20	24	0	4	4.82	1205
						7-8-68		30	24	0	19	11.13	583
	117	G	33	24S	37E	7-4-68		3	24	0	3	22.91	7637
						11-6-68		40	24	0	57	18.77	329

No well will be assigned an allowable greater than the amount of oil produced on the official test.

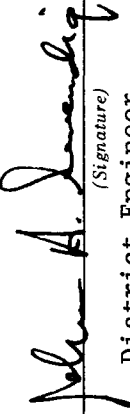
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.


(Signature)
District Engineer
(Title)
November 12, 1968
(Date)