

D. A. KIMBELL, President
JON H. BEAR, V.P./Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

July 7, 1978

JUL 10 1978

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

Dear Mr. Nutter:

Burk Royalty Co. as operator of the Double "L" Queen Unit in Chaves County, New Mexico wishes to make application to add additional injection wells to those already approved in Commission Order #R-5007, approved May 6, 1975. Enclosed please find a map and schematic diagram of the additional injection wells to be included in the injection program.

We feel that we need these extra injection wells to better sweep the reservoir and also to control the flow of oil on the West side of the field which contains a gas cap. The water injected into these wells will be into the Queen formation at the approximate same depth as the other wells already approved.

When the original application was made for the injection wells included in the Double "L" Queen Unit, a map was submitted showing offset operators and offset wells. To my knowledge, there has been no new drilling in this area since that time.

I trust that this is the information that you require for this application but if any other data is needed, please let us know.

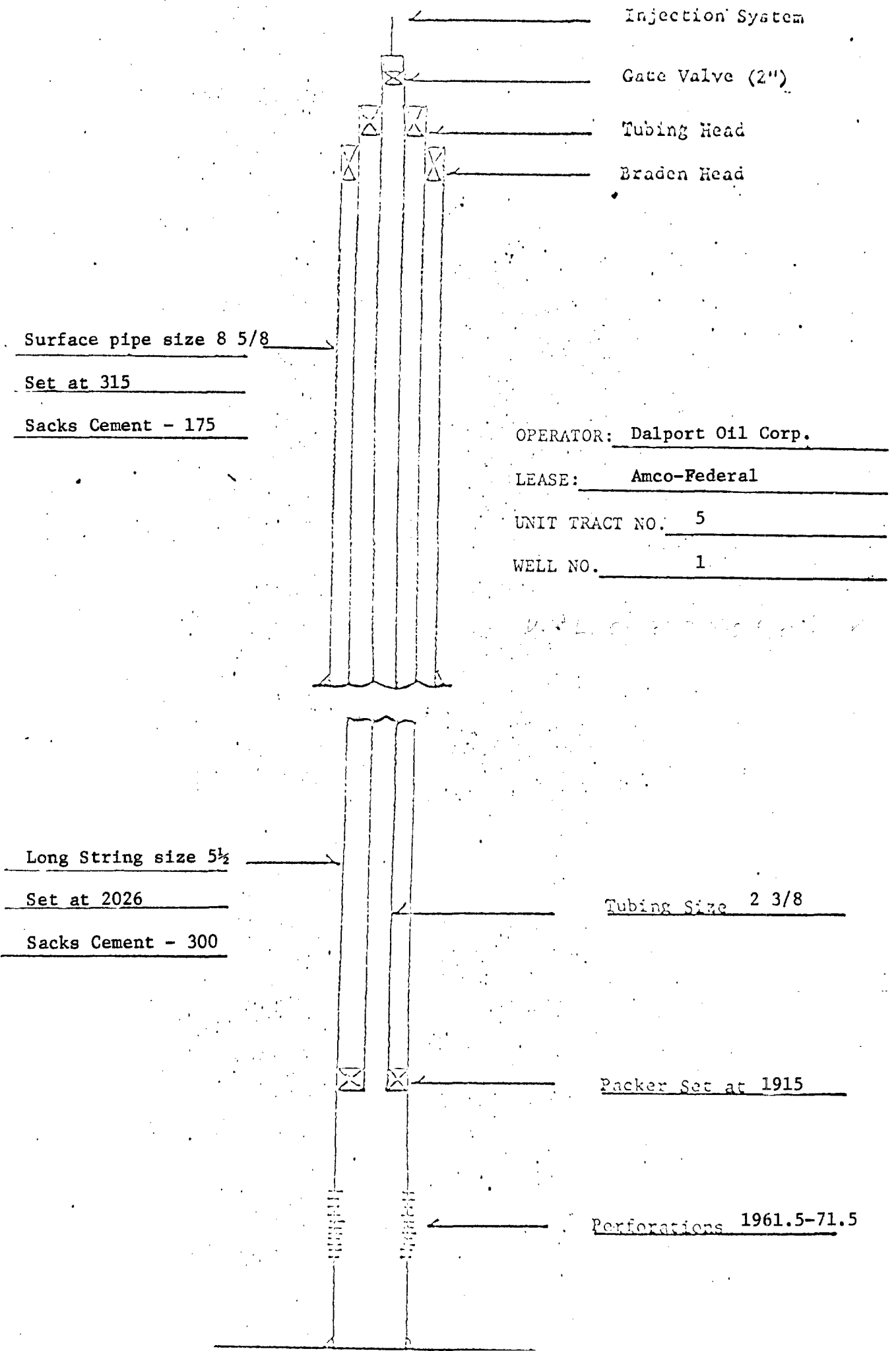
Sincerely yours,

BURK ROYALTY CO.

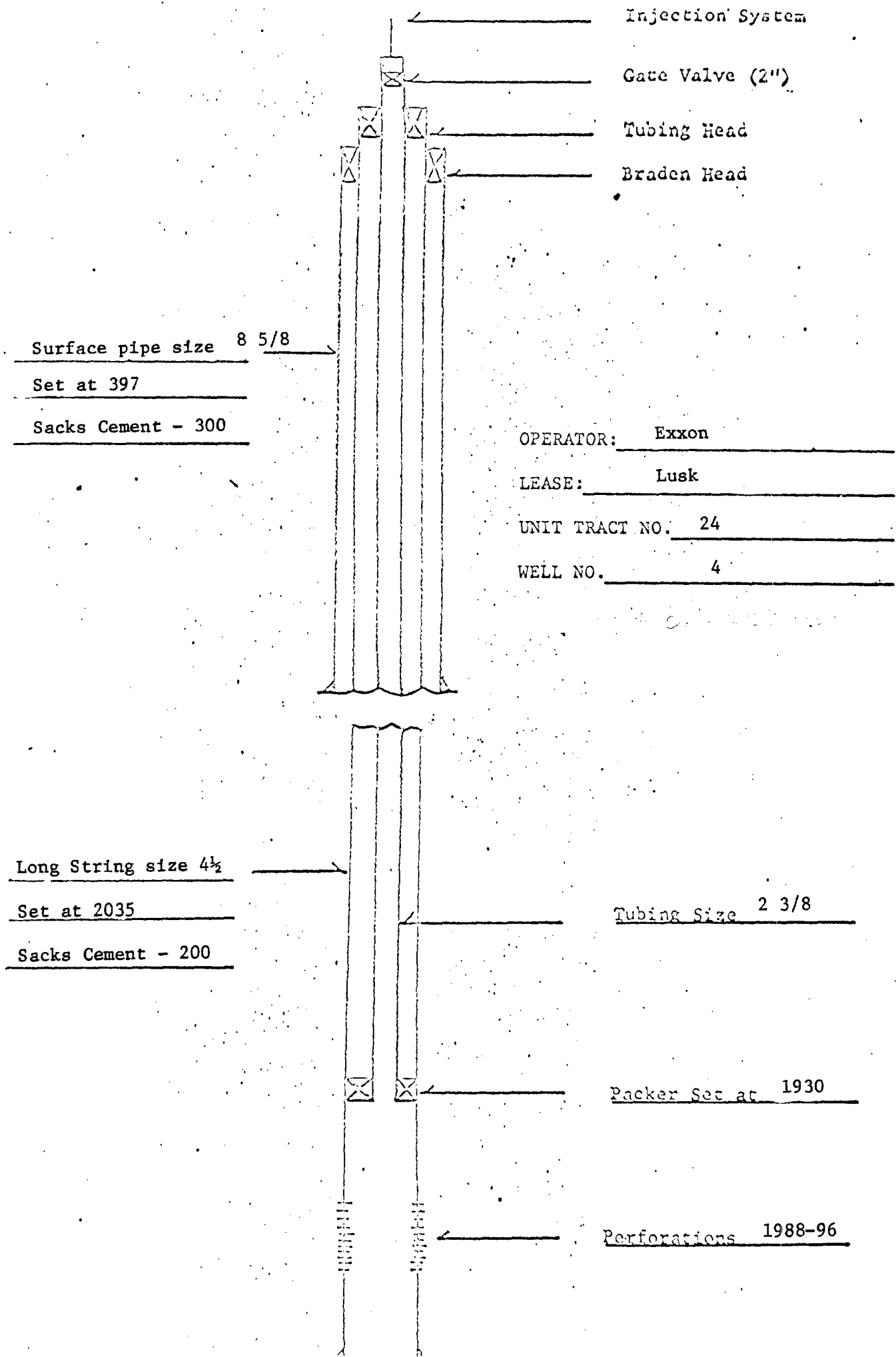
Fred M. Lynch
Fred M. Lynch

FML/ks
Enc.

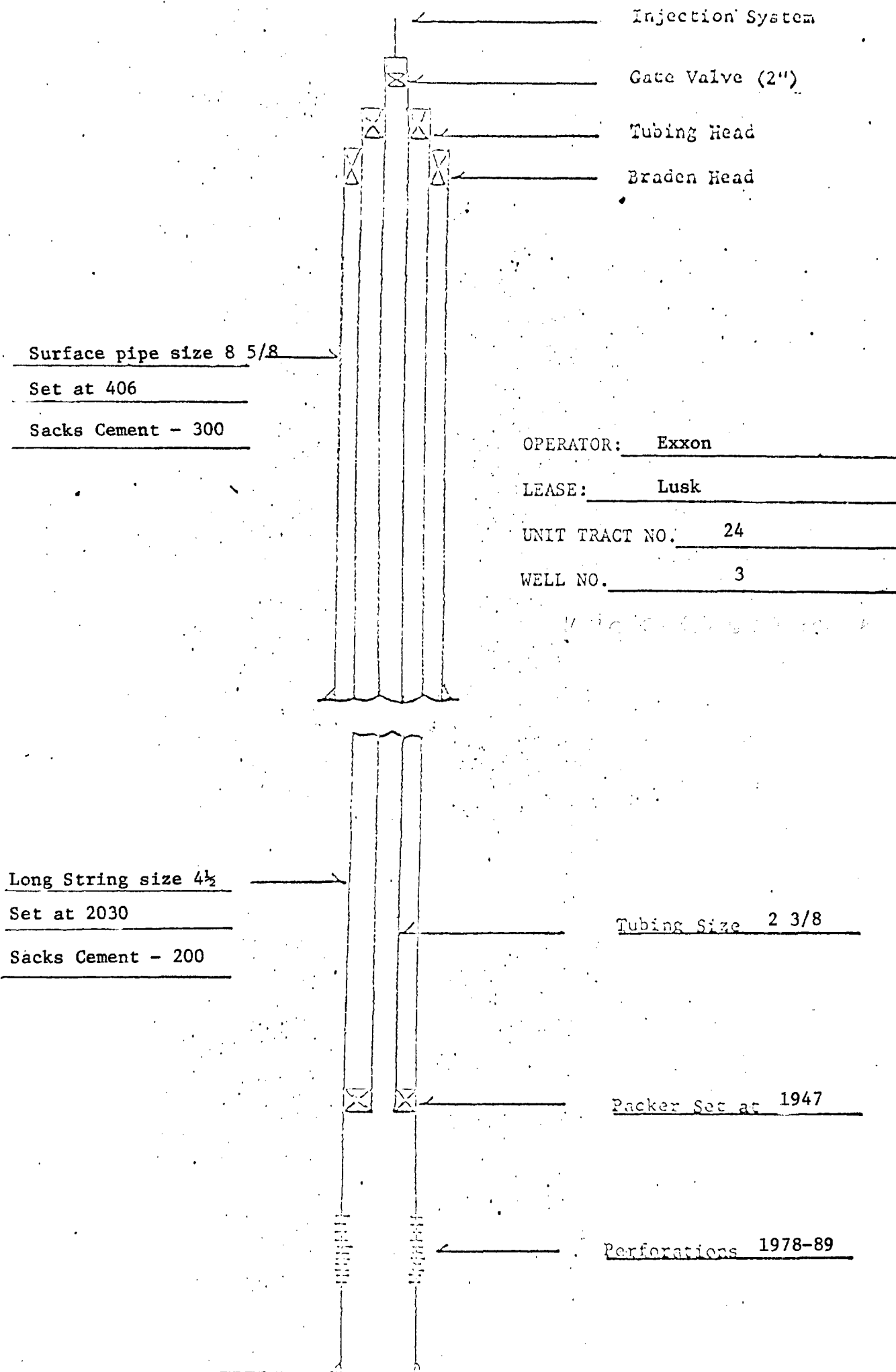
SCHEMATIC DIAGRAM



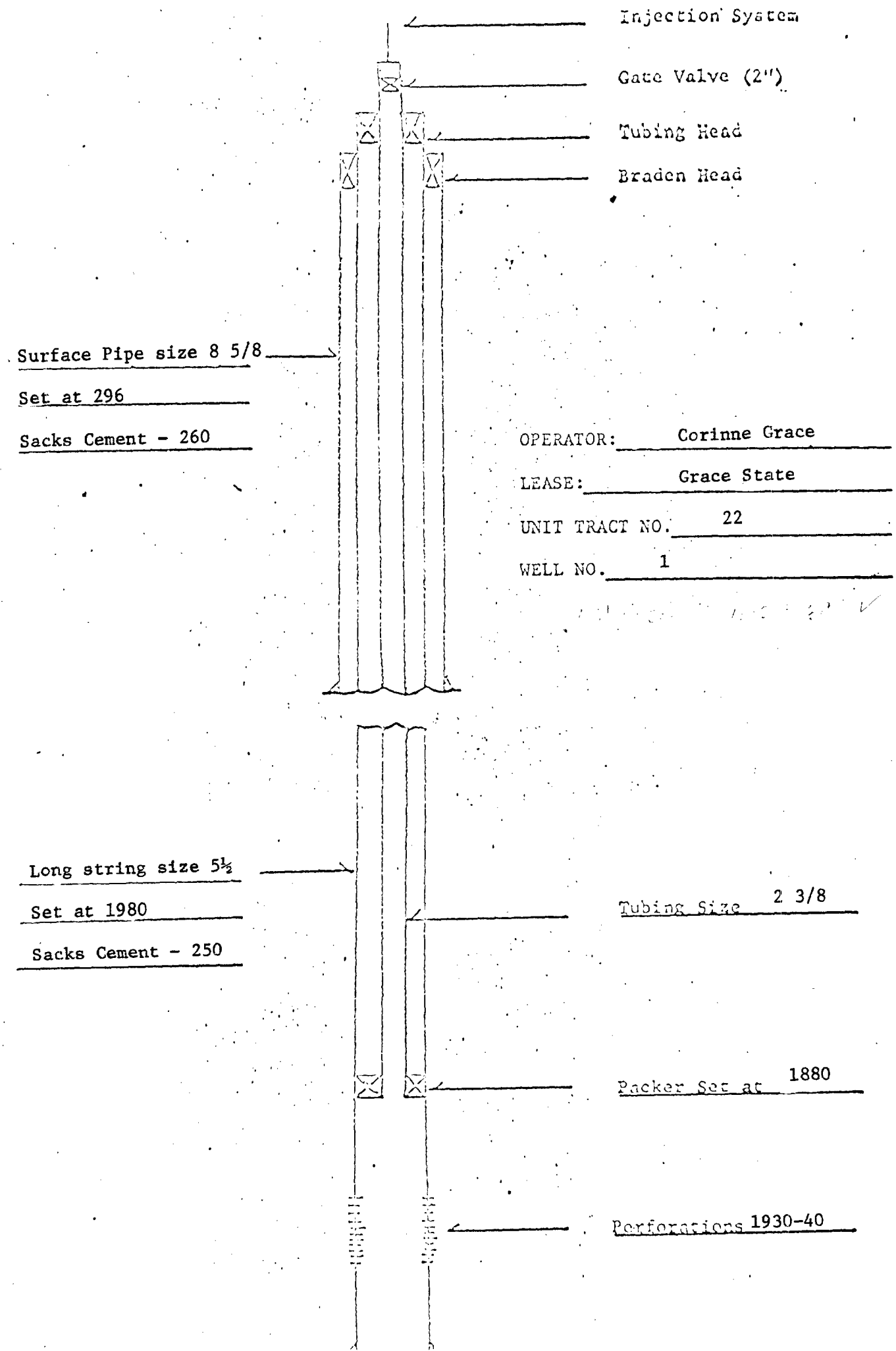
SCHEMATIC DIAGRAM



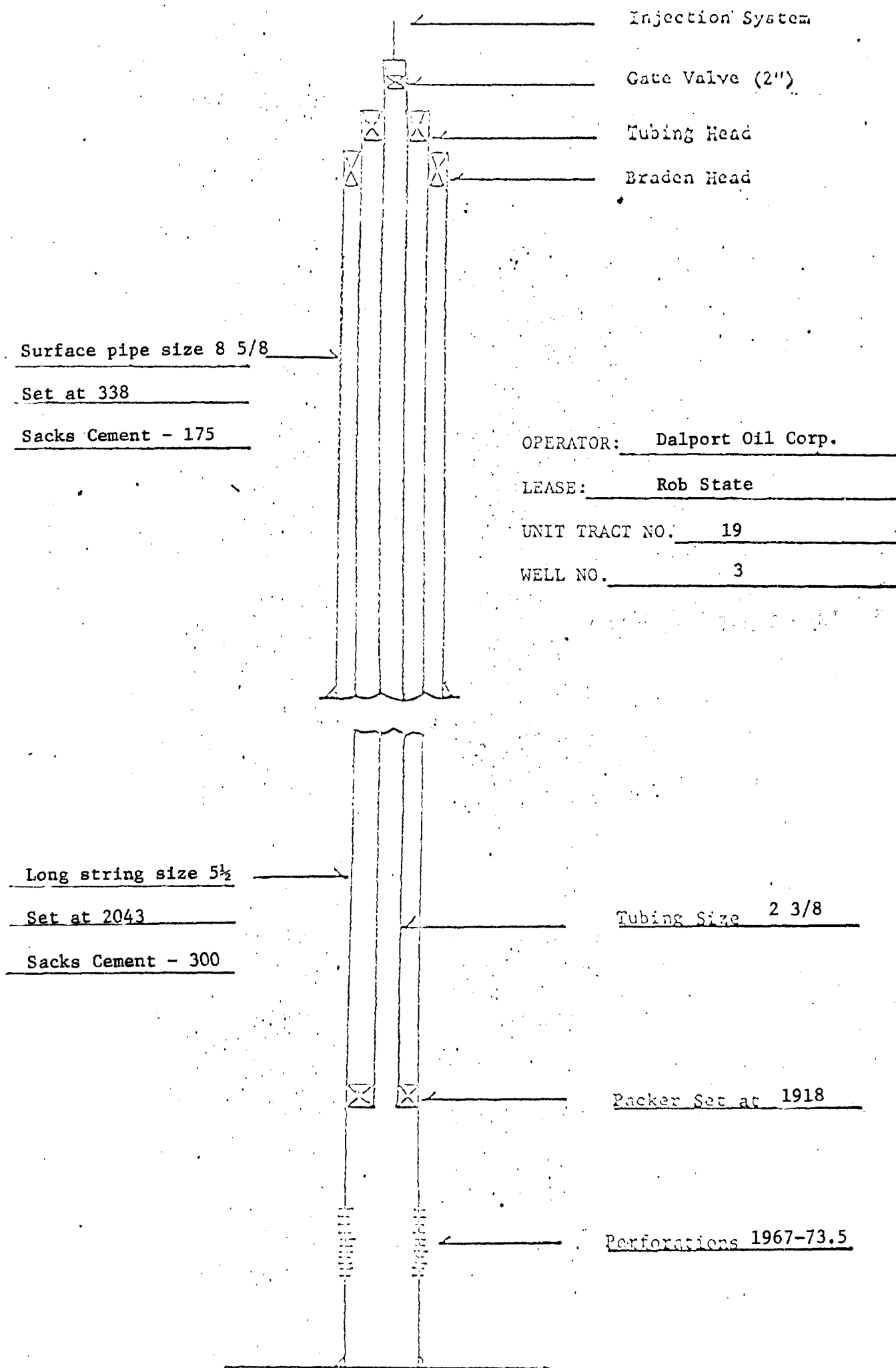
SCHEMATIC DIAGRAM

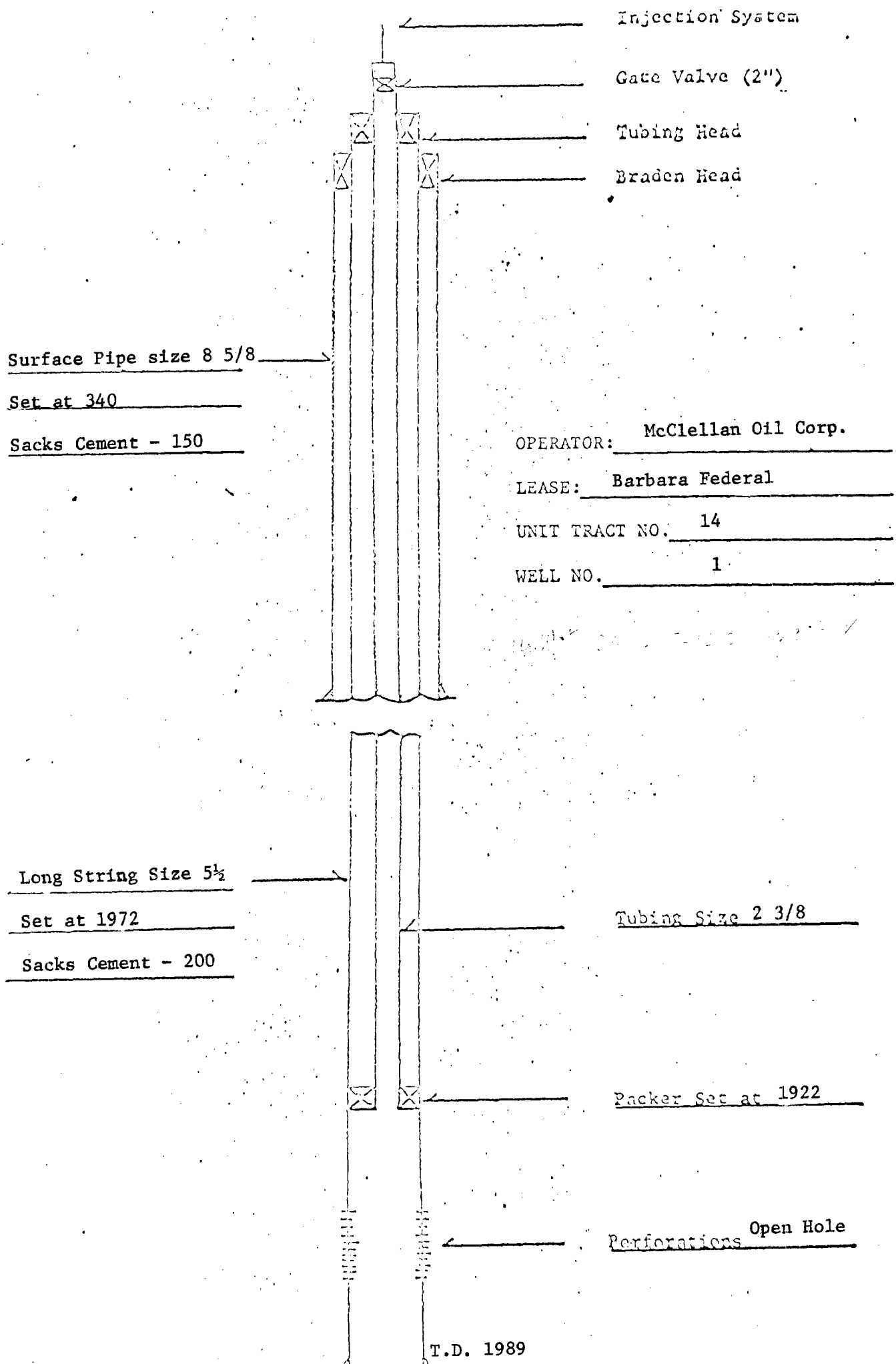


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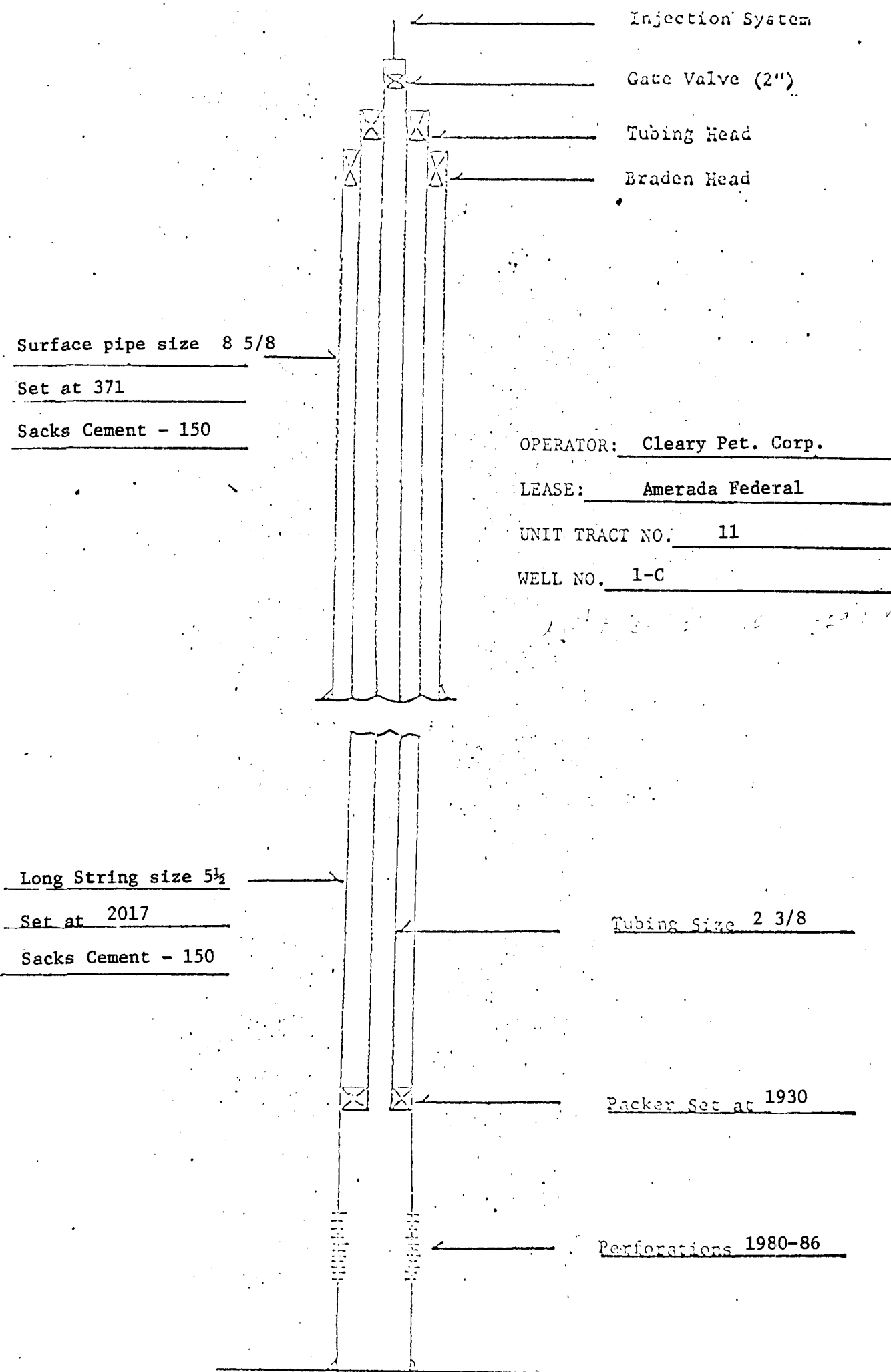


SCHEMATIC DIAGRAM





SCHEMATIC DIAGRAM



BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5454
Order No. R-5007

APPLICATION OF BURK ROYALTY CO. FOR
A WATERFLOOD PROJECT, CHAVES COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 16, 1975, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 6th day of May, 1975, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Burk Royalty Co., seeks authority to institute a waterflood project in the Double L Queen Unit Area, Double L Queen Pool, by the injection of water into the Queen formation through 17 injection wells in Sections 23, 24, 25, and 36, Township 14 South, Range 29 East; Section 31, Township 14 South, Range 30 East; Sections 1 and 12, Township 15 South, Range 29 East, and Sections 6, 7, and 18, Township 15 South, Range 30 East, NMPM, Chaves County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(6) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Burk Royalty Co., is hereby authorized to institute a waterflood project in the Double L Queen Unit Area, Double L Queen Pool, by the injection of water into the Queen formation through the following-described wells in Chaves County, New Mexico:

TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM

Company	Lease	Well No.	Unit	Section
Amoco	Falgout "A" Federal	1	P	23
McClellan	Sun State	1	M	24
Amoco	State EK	4	E	25
Dalport	Spurck State	9	J	25
Amoco	State EK	1	N	25
Dalport	Spurck State	6	B	36
Dalport	Spurck State	4	G	36
Dalport	Spurck State	5	J	36

TOWNSHIP 14 SOUTH, RANGE 30 EAST, NMPM

Company	Lease	Well No.	Unit	Section
Dalport	Amco Federal	2	E	31
McClellan	Elyse Federal	2	J	31

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM

Company	Lease	Well No.	Unit	Section
Dalport	Rob State	1	H	1
Dalport	Sunset State	1	H	12

TOWNSHIP 15 SOUTH, RANGE 30 EAST, NMPM

Company	Lease	Well No.	Unit	Section
Amoco	Lusk "A"	3	A	6
Amoco	Lusk "A"	2	G	6
McClellan	Marion Federal	1	C	7
McClellan	Mary Jane	2	M	7
McClellan	Lisa "B" Federal	9	F	18

(2) That injection into each of said wells shall be through internally coated tubing, set in a packer which shall be located as near as practicable to the uppermost perforation; that the casing-tubing annulus of each injection well shall be loaded with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(3) That the operator shall immediately notify the supervisor of the Commission's Artesia district office of the failure of the tubing or packer in any of said injection wells, the leakage of water or oil from around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area and shall take such timely steps as may be necessary or required to correct such failure or leakage.

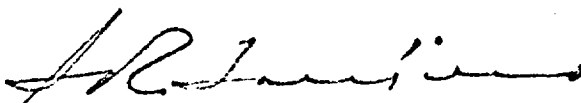
(4) That the subject waterflood project is hereby designated the Double L Queen Unit Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.


(5) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.


(6) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


I. R. TRUJILLO, Chairman


PHIL R. LUCERO, Member


A. L. PORTER, Jr., Member & Secretary

S E A L

jr/

D. A. KIMBELL, President
JON H. BEAR, V.P.-Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

September 14, 1978

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

Dear Mr. Nutter:

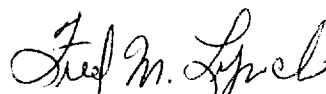
On July 7, 1978 I wrote a letter to you in the form of an application to add additional injection wells to those already approved in Commission Order No. R-5007, approved May 6, 1975 for the Double "L" Queen Unit, Chaves County, New Mexico. With that letter, I enclosed a map and schematic diagrams of these additional wells to be included, and also stated the reasons why we needed to convert these wells to injection.

On August 15, 1978, I wrote another letter which included a tabular summary of wells within one half mile of the newly applied for wells. This summary indicated the casing depths, cement used, perforations, etc. I am now enclosing with this letter waivers of objection for injection into these wells from all operators offsetting these proposed injection wells.

I trust that this information will be sufficient to satisfy Rule #701 and that we may be granted permission to convert these wells to injection. We are at present converting the other wells that have already been approved to injection.

Sincerely yours,

BURK ROYALTY CO.


Fred M. Lynch

FML/ks
Enc.

Note: Injection wells to be approved:
5-1, 11-1C, 14-1, 19-3, 22-1, 24-3, 24-4.

D. A. KIMBELL, President
JON H. BEAR, V.P.-Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

SEP 18 1978

August 15, 1978

Amerada-Hess Corporation
P. O. Box 2040
Tulsa, Oklahoma 74102

Exxon Company, U.S.A.
P. O. Box 1600
Midland, Texas 79701

Dalport Oil Corporation
3471 First National Bank Bldg.
Dallas, Texas 75202

Albert J. Black
10019 Coors Road, N.W.
Albuquerque, New Mexico 87114

Jack L. McClellan
McClellan Oil Corporation
P. O. Box 849
Roswell, New Mexico 88201

Gentlemen:

Burk Royalty Co. has made application with the Oil Conservation Commission to inject water into the Queen Sand in additional injection wells to those already approved by the Commission for water flooding. The wells circled in red, have already been approved for flooding. The wells in green are the additional wells to be added to the flood. These wells are located in the Double "L" Queen Field, Chaves County, New Mexico. If you, as an offset operator, have no objection to this application it would be appreciated if you would so indicate by signing below and returning two copies of this letter to this office in the enclosed envelope.

Sincerely yours,

BURK ROYALTY CO.

Fred M. Lynch
Fred M. Lynch

FML/ks

Albert J. Black
APPROVED

DATE *8-21-78*

D. A. KIMBELL, President
JON H. BEAR, V.P.-Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

August 15, 1978

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Tulsa, Oklahoma 74102

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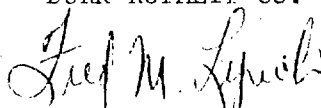
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Sincerely yours,

BURK ROYALTY CO.


Fred M. Lynch

FML/ks


APPROVED

DATE

August 19, 1978

D. A. KIMBLE, President
JON H. BEAR, V.P.-Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

August 15, 1978

SEP 10 1978

Amerada-Hess Corporation
P. O. Box 2040
Tulsa, Oklahoma 74102

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Sincerely yours,

BURK ROYALTY CO.

Fred M. Lynch
Fred M. Lynch

FML/ks

Dalport Oil Corp
10/10/78
APPROVED

8/23/78
DATE

D. A. KIMBLE, President
JON H. BEAR, V.P.-Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

August 15, 1978

SEP 10 1978

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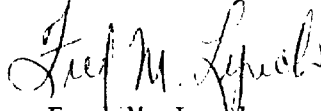
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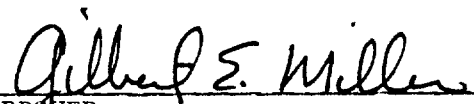
Sincerely yours,

BURK ROYALTY CO.


Fred M. Lynch

FML/ks

AMERADA HESS CORPORATION


APPROVED

8-24-78
DATE

D. A. KIMBELL, President
JON H. BEAR, V.P.-Treas.

TOM DARLING, Senior V. P.
A. L. AYER, JR., Secretary

Burk Royalty Co.

800 OIL & GAS BUILDING
WICHITA FALLS, TEXAS 76301

August 15, 1978

SEP 20 1978

Amerada-Hess Corporation
P. O. Box 2040
Tulsa, Oklahoma 74102

Exxon Company, U.S.A. ✓
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Midland, Texas 79701

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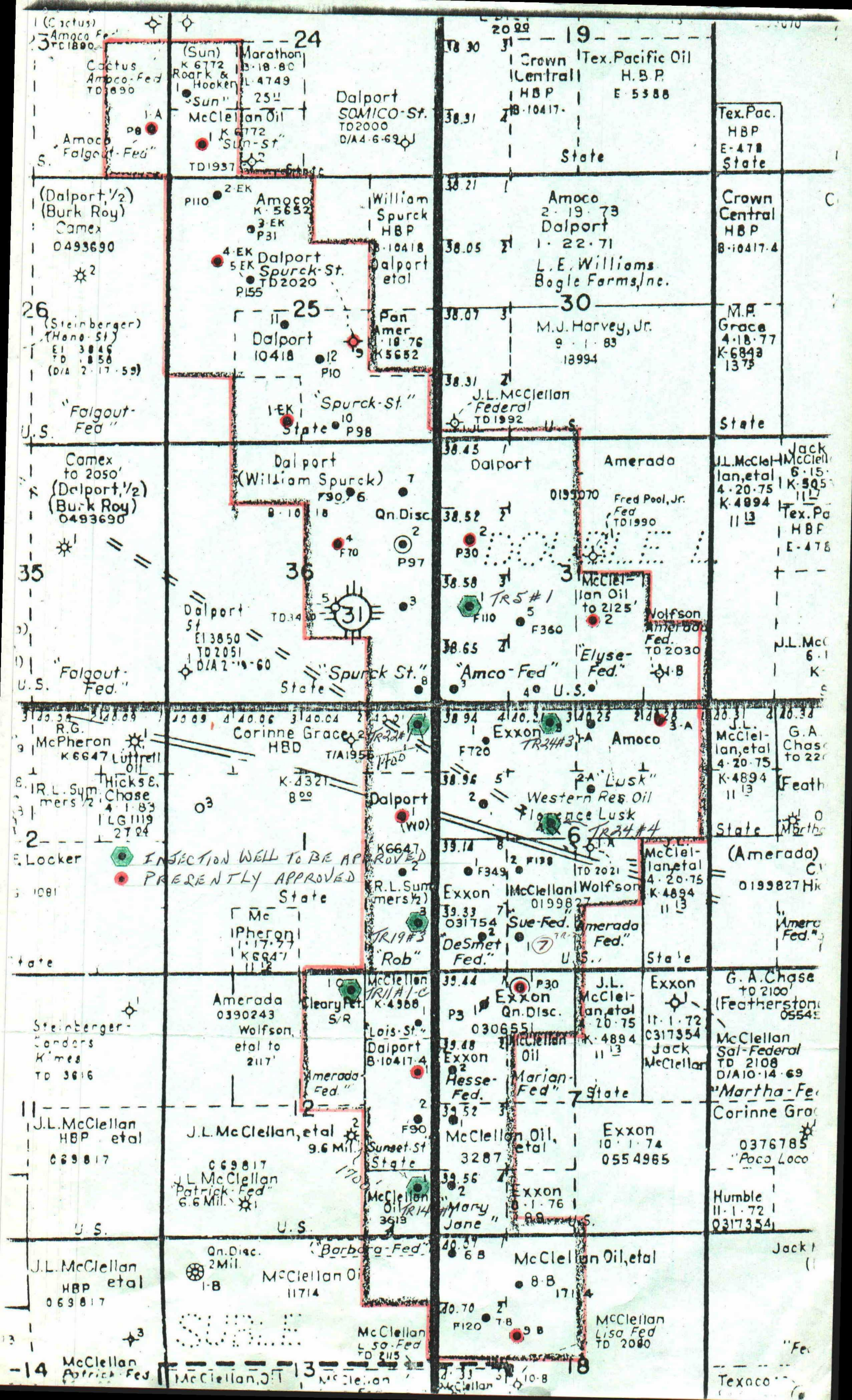
BURK ROYALTY CO.

Fred M. Lynch
Fred M. Lynch

FML/ks

[Signature]
APPROVED

9/8/78
DATE



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AND IS LOCATED
IN THE NEXT FILE