

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

April 5, 1974

C
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Y

Araho, Inc.
P. O. Box 5456
Midland, Texas

Re: Order No. SWD-154

Gentlemen:

Enclosed herewith please find Administrative Order
No. SWD-154 for the following well:

State "LC" Well No. 1 located
in Unit I of Section 1, Town-
ship 17 South, Range 36 East,
NMPM, Lea County, New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/CU/og

cc: Oil Conservation Commission
Box 1980
Hobbs, New Mexico

New Mexico State Land Office
Land Office Building
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION
P. O. BOX 5088
SANTA FE, NEW MEXICO 87501

April 27, 1974

Trabco, Inc.
P. O. Box 7858
Houston, Texas

Re: Order No. 77-154

Gentlemen:

Enclosed herewith please find Administrative Order
No. 77-154 for the following wells:

State "A" Well No. 1 located
in Unit I of Section 1, Town
and Range 17 North, Range 26 East,
County, New Mexico.

Very truly yours,

A. M. ROBERTS, Jr.
Secretary-Director

WLB/CW/lor

Oil Conservation Commission
Box 1980
Albuquerque, New Mexico

New Mexico State Land Office
Land Office Building
Santa Fe, New Mexico

FAMARISS OIL AND REFINING COMPANY

P. O. BOX 980

HOBBS, NEW MEXICO 88240

TELEPHONE (505) 393-6116

May 3, 1974

Mr. D. S. Nutter
Chief Engineer
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

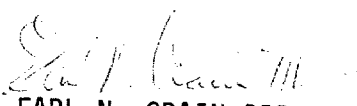
Dear Mr. Nutter:

Please consider the enclosed material as Famariss Oil and Refining Company's application for disposal of its refinery effluent.

Mr. Earl Bruno with Araho Inc. has previously applied for and been granted a permit for salt water disposal. He notified all interested persons in connection with the disposal well and submitted the electric log which we did not enclose.

I sincerely hope the enclosed information will be of sufficient completeness to allow you to act promptly on this request, because our new refinery is due to go into start-up operations on June 1, 1974.

Very truly yours,


EARL N. CRAIN III
Vice President
Planning and Development

ENC/as
Enclosures

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

May 13, 1974

Famariss Oil and Refining Company
P. O. Box 980
Hobbs, New Mexico 88240

Attention: Mr. Earl N. Crain III

Re: Administrative Order SWD-154

Gentlemen:

Reference is made to your letter of May 3, 1974, concerning the Araho Inc. State "LC" Well No. 1, located 2190 feet from the South line and 560 feet from the East line of Section 1, Township 17 South, Range 36 East, Lea County, New Mexico, which well was authorized for salt water disposal by the Commission's Administrative Order No. SWD-154, dated April 1, 1974. The order provided that disposal is to be down 3 1/2-inch plastic-lined tubing set in a packer located no higher than 12,100 feet, although the application was for the packer to be set at 9,000 feet. Injection will be into the open-hole interval from 12,400 feet to 12,704 feet.

It is our understanding that although the well will continue to be operated by Araho, Inc., the waters disposed into the well will include refinery waste water produced at the Famariss refinery near Lovington.

The Foster Wheeler water analysis attached to your most recent letter indicates that the refinery waste water can be safely disposed of in the subject well, although it may be necessary to occasionally acidize or otherwise treat the well to prevent formation blockage.

Administrative Order SWD-154 is therefore hereby amended to include in the authority contained therein authority to dispose

SANTA FE, NEW MEXICO 87501

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PC-A-112 TELIC 7150333-1170 15

$\frac{d^2 \theta}{dt^2} = -\frac{g}{L} \sin \theta$

[illegible][illegible]

The latter filter would always remain to your left
present filter indicates that the battery waste water can be
safely disposed of in the right well, although it may be
necessary to occasionally replace or otherwise treat the oil so

[illegible]

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Fanariss Oil and Refining Company

May 13, 1974

-2-

of refinery waste waters of the general type described in the
Foster Wheeler Corporation letter of October 18, 1973.

Arabo, Inc., shall file monthly disposal reports on Commission
Form C-120-A, as required by Commission Rules 704 and 1120.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSM/dr

cc: Oil Conservation Commission - Hobbs
New Mexico State Land Office - Santa Fe
Arabo, Inc., Box 5446, Midland, Texas 79701
Attention: Mr. Earl R. Bruno

C
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SANTA FE, NEW MEXICO 87501

— 2 —

youngest children are living with

Form 704 as required by Government Finance Code
Section 1104 and 1106.

Reported on Form 704

EXHIBIT YOUR VIEW

SECRET - 100-441100

2/20/2016

admission to the hospital was refused. The patient was taken to the hospital by ambulance. The patient was admitted to the hospital.

CORRECTED REPORT

Form C-108
Revised 3-1-68

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Araho, Inc.		ADDRESS P. O. Box 5456, Midland, Texas 79701	
LEASE NAME State "LC"	WELL NO. 1	FIELD Dry Hole	COUNTY Lea
LOCATION UNIT LETTER I ; WELL IS LOCATED 2190 FEET FROM THE South LINE AND 560 FEET FROM THE East LINE, SECTION 1 TOWNSHIP 17S RANGE 36E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8	451	450	Circulated	Visual
INTERMEDIATE	8 5/8	4999	1500	2765	Temp. Survey
LONG STRING	5 1/2	12400	1000	4500	
TUBING	3 1/2	9000	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model R 9000'		

NAME OF PROPOSED INJECTION FORMATION Fusselman & Sulurian		TOP OF FORMATION 12400	BOTTOM OF FORMATION 12704
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing	PERFORATIONS OR OPEN HOLE? Open Hole	PROPOSED INTERVAL(S) OF INJECTION 12400-12704	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Test well to evaluate Fusselman, etc.		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None			

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 6600'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 6000	MINIMUM 12000	MAXIMUM 12000	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 900
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE - Yes			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Not Available yet

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Note: The 5 1/2" casing and 3 1/2" tubing to be run after approval of this application.

Skelly Oil Company - 2nd Floor, Wall Towers West, Midland, Texas 79701

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes	PLAT OF AREA Yes	ELECTRICAL LOG Yes
		DIAGRAMMATIC SKETCH OF WELL Yes

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

Carl R. Bruno **Vice President** **February 28, 1974**
(Signature) (Title) (Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Araho, Inc.		ADDRESS P.O. Box 5456, Midland, Texas 79701	
LEASE NAME State "LC"	WELL NO. 1	FIELD Dry Hole	COUNTY Lea
LOCATION UNIT LETTER I ; WELL IS LOCATED 2190 FEET FROM THE South LINE AND 560 FEET FROM THE East LINE, SECTION 1 TOWNSHIP 17S RANGE 36E NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8	451	450	Circulated	Visual
INTERMEDIATE	8 5/8	4999	1500	2765	Temp. Survey
LONG STRING	5 1/2	12400	1000	4500	
TUBING	3 1/2	9000	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model R 9000'		

NAME OF PROPOSED INJECTION FORMATION Fusselman & Sulurian		TOP OF FORMATION 12400	BOTTOM OF FORMATION 12704
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Open Hole	PROPOSED INTERVAL(S) OF INJECTION 12400-12704
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Test well to evaluate Fusselman, etc.		HAS WELL EVER BEEN PERFORMED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None			

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 6600'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 6000	MINIMUM 6000	MAXIMUM 12000	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 900
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE Yes			WATER TO BE DISPOSED OF Yes		NATURAL WATER IN DISPOSAL ZONE Yes
ARE WATER ANALYSES ATTACHED? Yes					

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) State of New Mexico (Mobil Oil Corp., Box 900, Dallas, Texas 75221 - B-3009)	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Skelly Oil Company - 2nd Floor, Wall Towers West, Midland, Texas 79701	

NOTE: The above well was approved for Araho, Inc. to use for salt water disposal under Administrative Order Number SWD-154.

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes	PLAT OF AREA Yes	ELECTRICAL LOG No	DIAGRAMMATIC SKETCH OF WELL Yes

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

Edwin L. Chain III
(Signature)

Vice President
(Title)

May 3, 1974
(Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.



FOSTER WHEELER CORPORATION

TELEPHONE:
AREA 713-622-7100
TELETYPE 910-881-1746
CABLE FWHOPHOUSTON
TELEX 77-5196

5137 WEST ALABAMA
P. O. BOX 22395
HOUSTON, TEXAS 77027

October 18, 1973

HOME OFFICE:
110 SOUTH ORANGE AVE.
LIVINGSTON, N. J.

BRANCHES IN
THE PRINCIPAL CITIES OF
UNITED STATES AND CANADA

ALSO
LONDON • PARIS
MILAN • TOKYO
MADRID
RIO DE JANEIRO

Mr. Earl Bruno
P. O. Box 5456
Midland, Texas

SUBJECT: FAMARISS OIL & REFINING CO.
Lovington, New Mexico
FW Contract 14-1190
COMPOSITION OF REFINERY
SEWER EFFLUENT

Dear Mr. Bruno:

At the request of Mr. M. W. Carroll of Famariss Oil & Refining Company, we tabulate below an anticipated analysis of the waste water effluent from the Famariss Refinery.

<u>Composition</u>	<u>PPM</u>
Si	36
Na	106
HCO ₃	211
SO ₄	72
Cl	141
Ca	90
Mg	9
Sulfide	33 max.
Oil	12

The above anticipated analysis is based upon the continuous flow streams contributing to the Refinery waste water effluent. There are numerous intermittent flows occurring at varying intervals, some as great as yearly. In most cases these intermittent flows are such elements as: rainwater, washdown water, softener back flushing, etc., and as such would not contribute to sulfides or oil contents.

We trust the above supplies the information you require. Should additional data be necessary please do not hesitate to contact Mr. Carroll or the writer.

Very truly yours,

FOSTER WHEELER CORPORATION

R. C. Sibbern, Project Manager
Process Plants Division

rsc:pp

cc: M. W. Carroll
W. J. Dougherty

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-100
 Supersedes O-128
 Effective 1-1-75

All distances must be from the outer boundaries of the Section

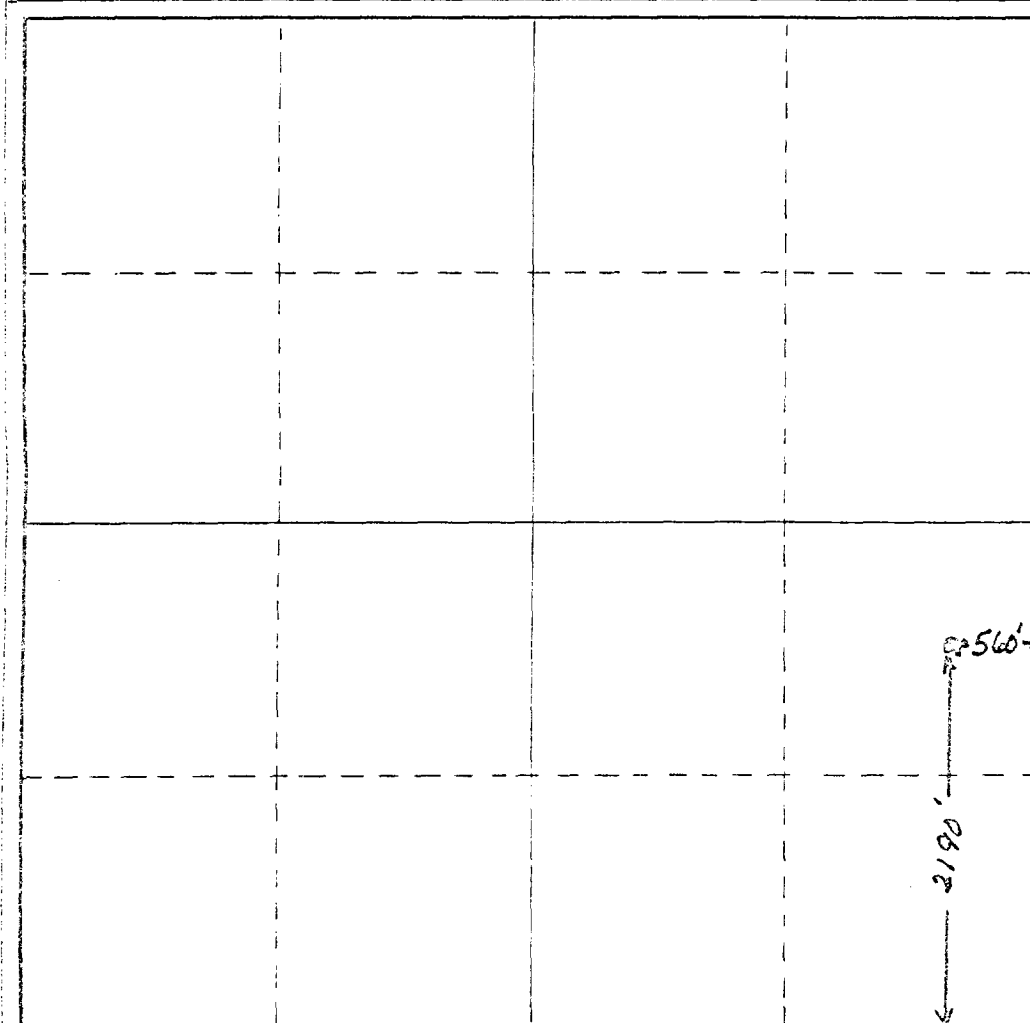
Lessee Araho, Inc.			State "LC"			Section 1		
Tract Number I	Section 1	Township 17S	Range 36E	County Lea				
Actual Well Location of Well:								
2190		feet from the South	line and	560	feet from the East	line		
Ground Elevation		Producing Formations		Pool		Dedicated Acreage		Acres
None		None		Water Disposal Well		None		None

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name _____
Vice-President

Position _____
Araho, Inc.

Company _____
4/4/74

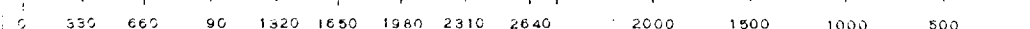
Date _____

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer
 and/or Land Surveyor

Certificate No. _____



3 1/2" Valve

8 5/8" x 3 1/2" Casing head

3 1/2" tubing

8 5/8" 32# Casing - cement circulate

4799' top 5 1/2" OD 17# N-80 Liner
cement to be circulated.

Packer set at 12,050'.
Base of 3 1/2" 9.2# N-80 plastic
coated tubing 12,050'.

12,400' Base of 5 1/2" OD 17# N-80
Liner

TD 12,704'

Packer set at 12,050'.
Base of 3 1/2" 9.2# N-80 plastic
coated tubing 12,050'.

12,400' Base of 5 1/2" OD 17# N-80
Liner

TD 12,704'

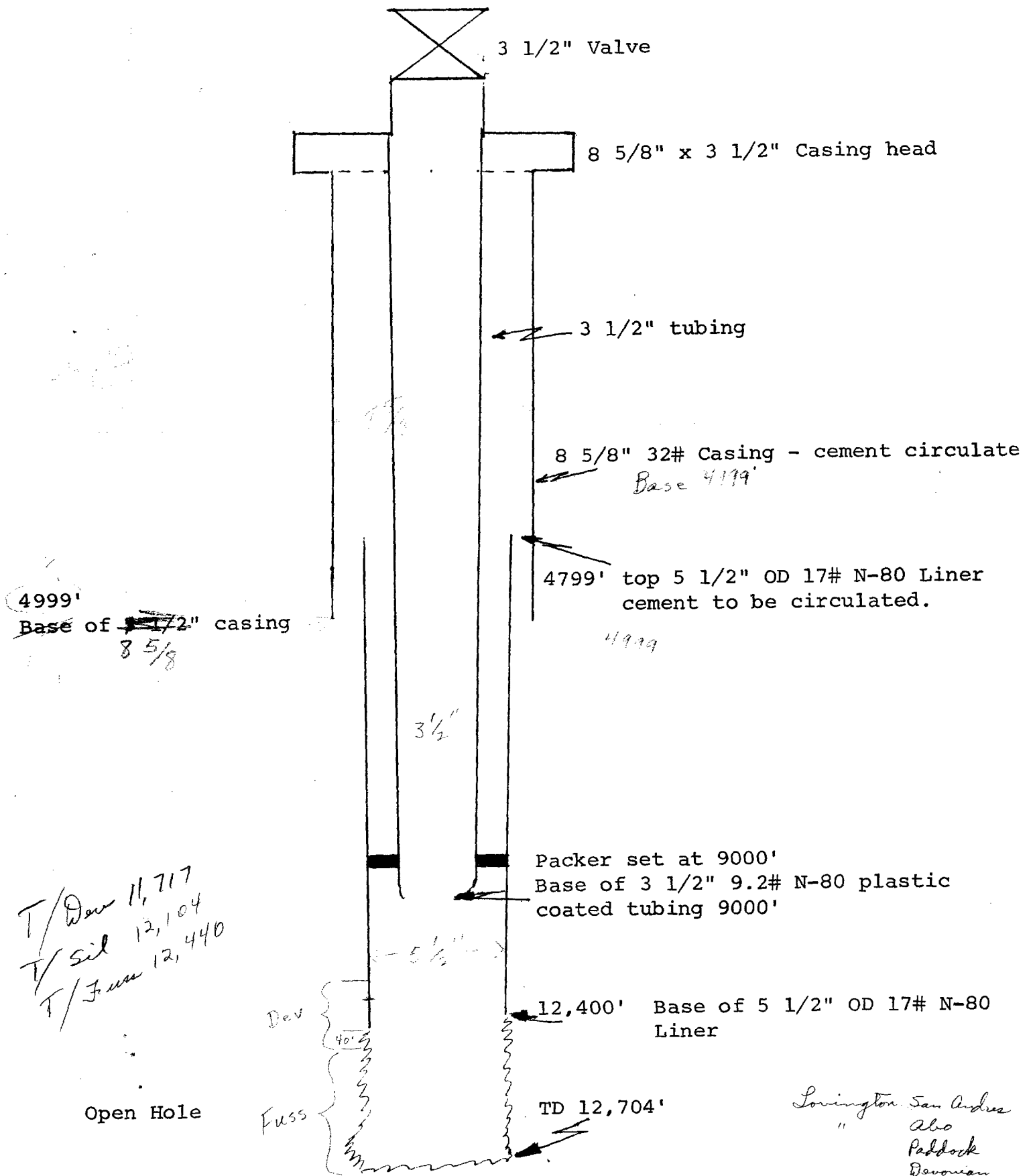
Open Hole

actual
11940

is named
down out to TP

100 of Salween
 12450
 100 of Salween
 12450

ARAHO, INC.
 State "LC" #1 Well
 Sketch of Completion



Originally Amerada #1-C State L 12/1/50

