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**APACHE**

APACHE CORPORATION  
OIL AND GAS DIVISION ■ 1720 WILCO BUILDING ■ MIDLAND, TEXAS 79701 ■ MU 3-5261

May 5, 1969

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Sante Fe, New Mexico

Attention: Mr. Nutter

Re: Delaware Apache Corporation's  
State 19 Commingling Facilities  
State 19 Com #1 and State 19  
Com #2, Lea County, New Mex.

Dear Mr. Nutter:

Attached please find Delaware-Apache Corporation's  
application to commingle oil on the above captioned  
leases. Attached you will find:

- 1) Plat of Leases
- 2) Schematic of commingling facilities
- 3) Schematic of LACT facilities
- 4) Detailed list of lact components
- 5) Waiver from Pan American Petroleum Corporation  
(partner)
- 6) Waiver from Pan American Petroleum Corporation  
(crude purchaser)
- 7) Approval of the above request or application  
by Commissioner of Public Lands, Alex J. Armijo.

After approval of same, please notify the New Mexico  
Oil Conservation Commission District 1 in Hobbs, New  
Mexico.

Yours truly,

DELAWARE-APACHE CORPORATION

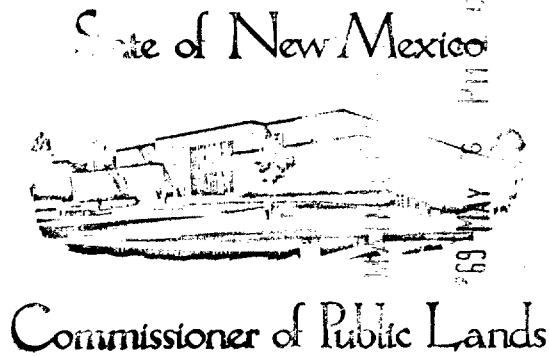
*Bonnie J. Husband*

(Mrs.) Bonnie J. Husband  
Production Clerk

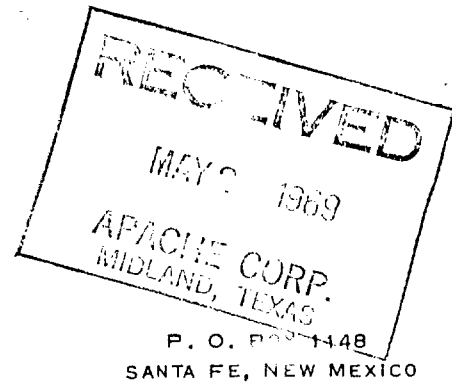
/bjh  
Attachments



ALEX J. ARMIJO  
COMMISSIONER



April 30, 1969



Delaware-Apache Corporation  
1720 Wilco Building  
Midland, Texas 79701

Re: Delaware-Apache request to commingle  
State 19 Com #1, 660' FEL & 1980'  
FSL, Sec. 19, T-13 S, R-33 E,  
State 19 Com #2, 660' FEL & 660'  
FNL, Sec. 19, T-13 S, R-33 E.  
Lincoln County, New Mexico

Attn: Mr. L. Z. Willie, Engineer

Gentlemen:

The above request to commingle production from State 19 Com #1 and State 19 Com #2, is hereby approved.

We will expect, that proper reporting and the payment of royalty will be submitted to the New Mexico Oil and Gas Accounting Commission; and that we will be notified immediately, if either well ceases to produce commercially.

Official receipt for the \$10.00 filing fee will be mailed to you within a short time.

Yours very truly,

ALEX J. ARMIJO  
Commissioner of Public Lands

*Fred Bilberry*  
FRED BILBERRY, Director  
Oil and Gas Department

AJA:TB:cw

cc: New Mexico Oil Conservation Commission  
New Mexico Oil & Gas Accounting Commission



APACHE CORPORATION  
OIL AND GAS DIVISION

■ 1720 WILCO BUILDING ■ MIDLAND, TEXAS 79701 ■ MUC 3-5261

April 21, 1969

63 May PM 1 04

The Honorable Mr. Alex Armijo  
Commissioner of Public Lands  
P. O. Box 1148  
Santa Fe, New Mexico

Re: Delaware-Apache Corporation's  
State 19 Commingling facilities  
State 19 Com #1, 660' FEL & 1980'  
FSL, Sec. 19, T-13 S, R-33 E,  
State 19 Com #2, 660' FEL & 660'  
FNL, Sec. 19, T-13 S, R-33 E.  
Lea County, New Mexico.

Dear Sir:

Enclosed herewith is Delaware-Apache Corporation's application to commingle oil on the above captioned leases. Enclosed you will please find:

- 1) Plat of Leases
- 2) Schematic of commingling facilities
- 3) Schematic of LACT facilities
- 4) Detailed list of lact components.
- 5) Waiver from Pan American Petroleum Corporation (partner)
- 6) Waiver from Pan American Petroleum Corporation (crude purchaser)

Any information that is required above and beyond this application, please feel free to contact us at your earliest convenience.

After approval of our commingling application, we respectfully request that you notify the New Mexico Oil Conservation Commission District 1 in Hobbs, New Mexico regarding this matter. Trusting that the enclosed information meets with your approval.

Yours very truly,

DELAWARE-APACHE CORPORATION

*L. Z. Williams*  
L. Z. Williams,  
area Engineer

LZW/bh  
Encls.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

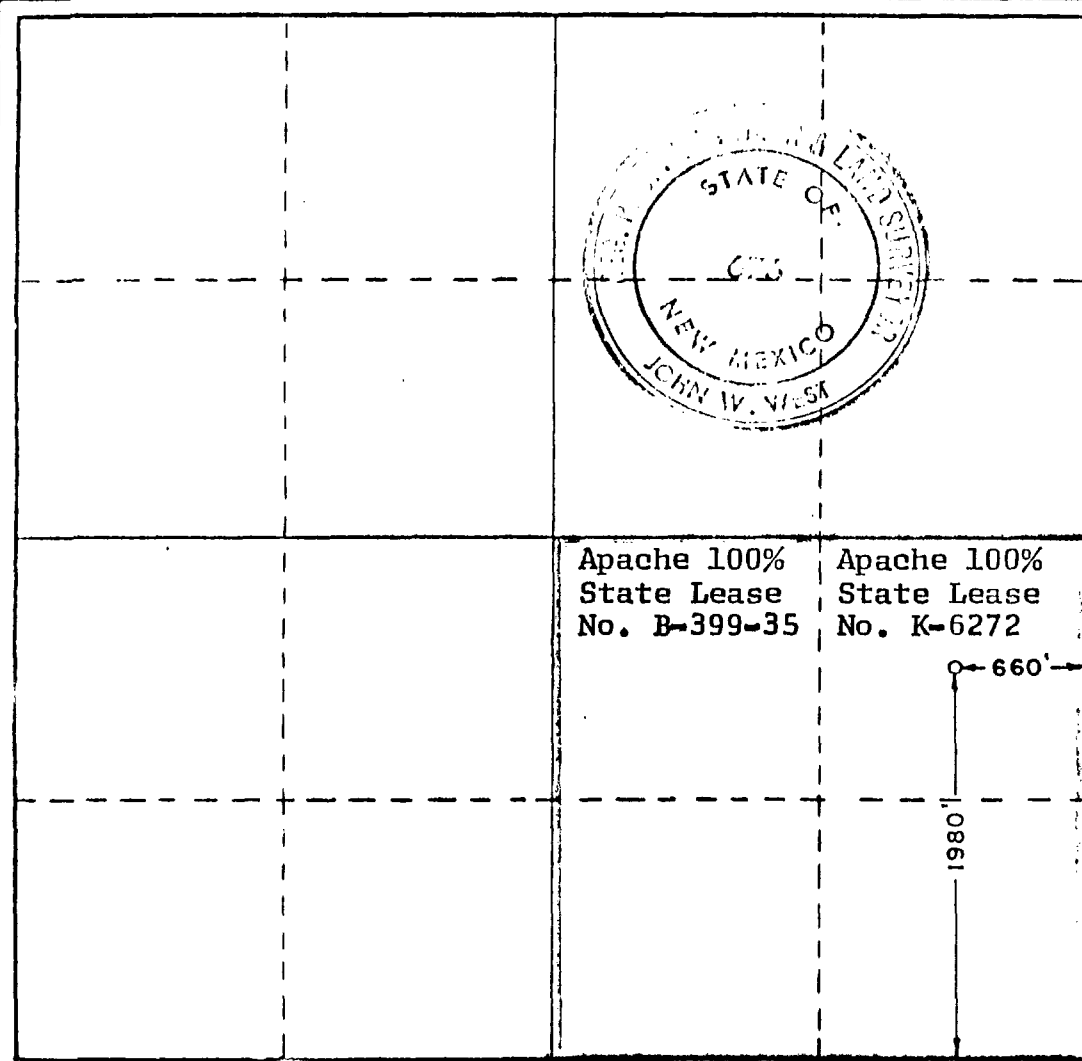
Operator <b>DELAWARE APACHE CORP.</b>			Lessee <b>STATE 19 COMM.</b>			Well No. <b>Com. 1</b>		
Unit Letter <b>I</b>	Section <b>19</b>	Township <b>13 SOUTH</b>	Range <b>33 EAST</b>	County <b>LEA</b>				
Actual Footage Location of Well: <b>660</b> feet from the <b>EAST</b> line and <b>1980</b> feet from the <b>SOUTH</b> line								
Ground Level Elev. <b>7267.3</b>	Producing Formation <b>Bough</b>		Pool <b>North Baum, Upper Penn.</b>			Dedicated Acreage: <b>160</b> Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 Communitization

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 L. B. Williams  
Position Area Engineer  
Company Delaware-Apache Corp.  
Date September 18, 1968

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 SEPTEMBER 17, 1968  
Registered Professional Engineer and/or Land Surveyor

John W. West  
Certificate No. 676



**CORRECTED REPORT**  
**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

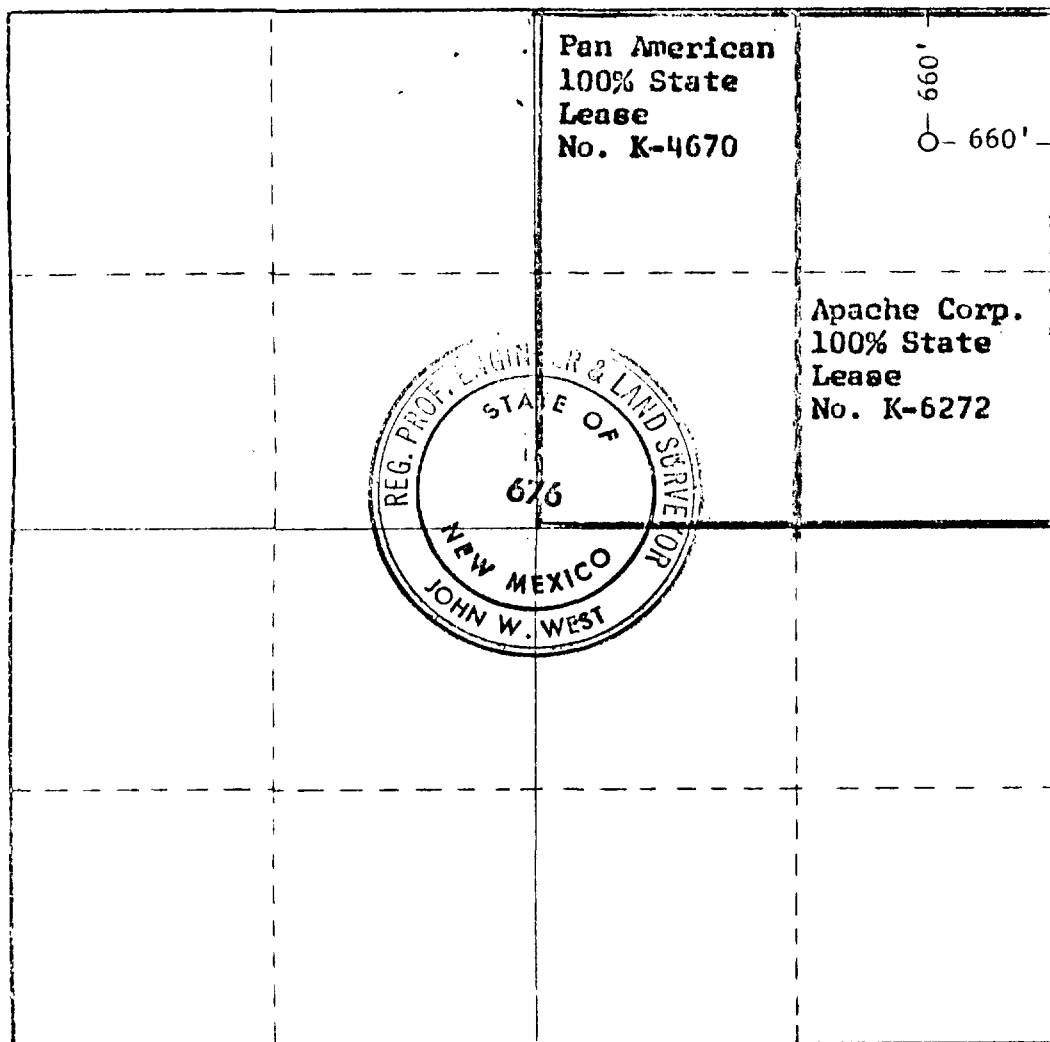
Operator <b>DELAWARE APACHE CORP.</b>			Lease <b>STATE 19</b>		Well No. <b>Com 2</b>
Unit Letter <b>A</b>	Section <b>19</b>	Township <b>13 SOUTH</b>	Range <b>33 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well:					
660 feet from the <b>NORTH</b> line and		660 feet from the <b>EAST</b> line			
Ground Level Elev. <b>4265.2</b>	Producing Formation <b>Bough</b>		Pool <b>North Baum Upper Penn</b>		Dedicated Acreage <b>160</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 **Communitization**

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 *Roy H. Reeves*  
Position **District Production Foreman**  
Employer **Apache Corporation**  
Date **January 21, 1969**

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 **11-1-1968**  
Registered Professional Engineer and/or Land Surveyor  
*John W. West*  
Certificate No. **676**

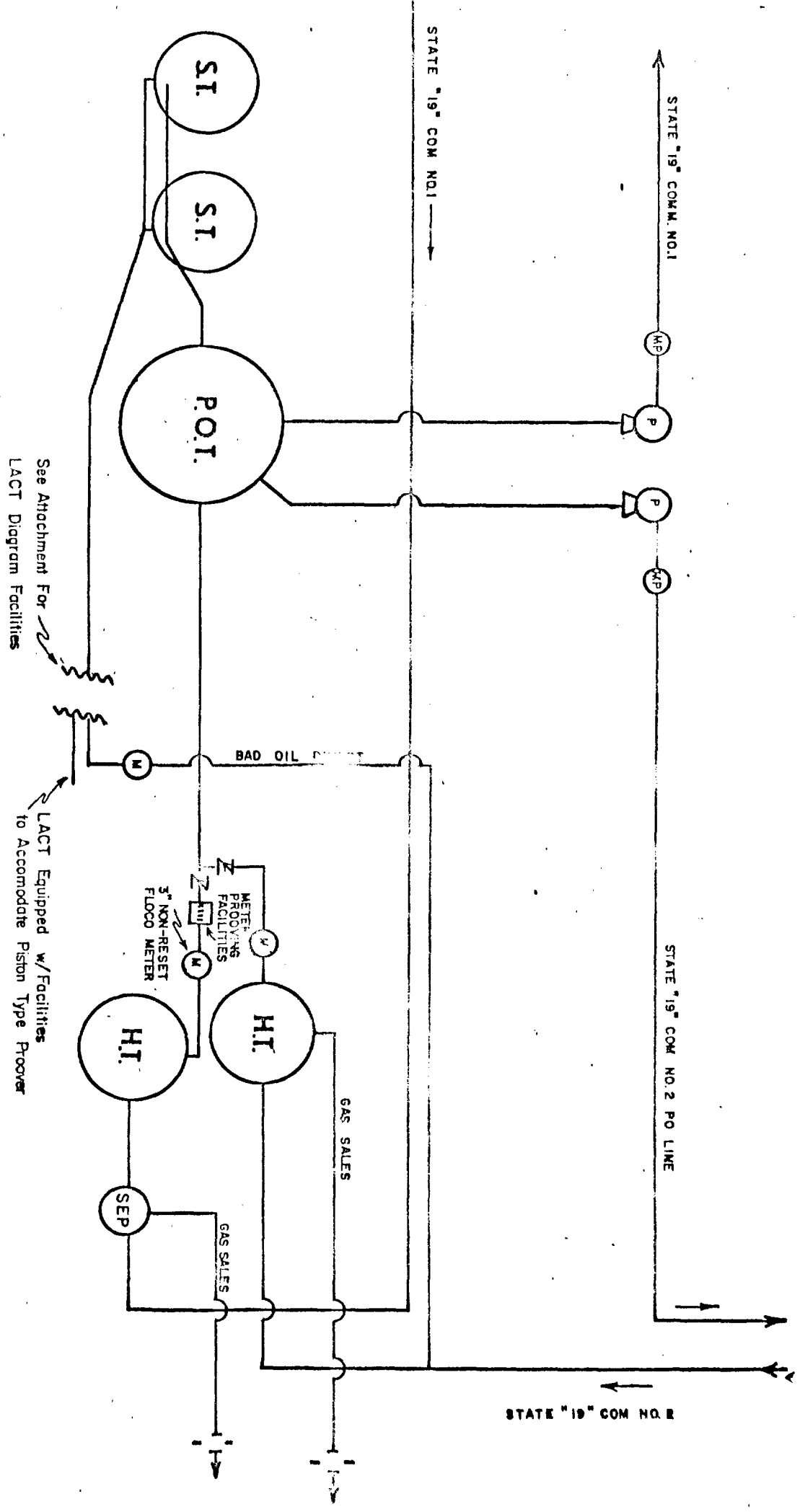
0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

02 TMD 9 APR 69



- LEGEND**
- ST — STOCK TANK
  - PO — POWER OIL TANK
  - HT — HEATER TREATER
  - M — NON-RESET METER
  - P — PUMP
  - MP — METER POWER OIL
  - MG — METER GAS
  - Z — CHECK VALVE
  - LM — METER PROVING LOOPS

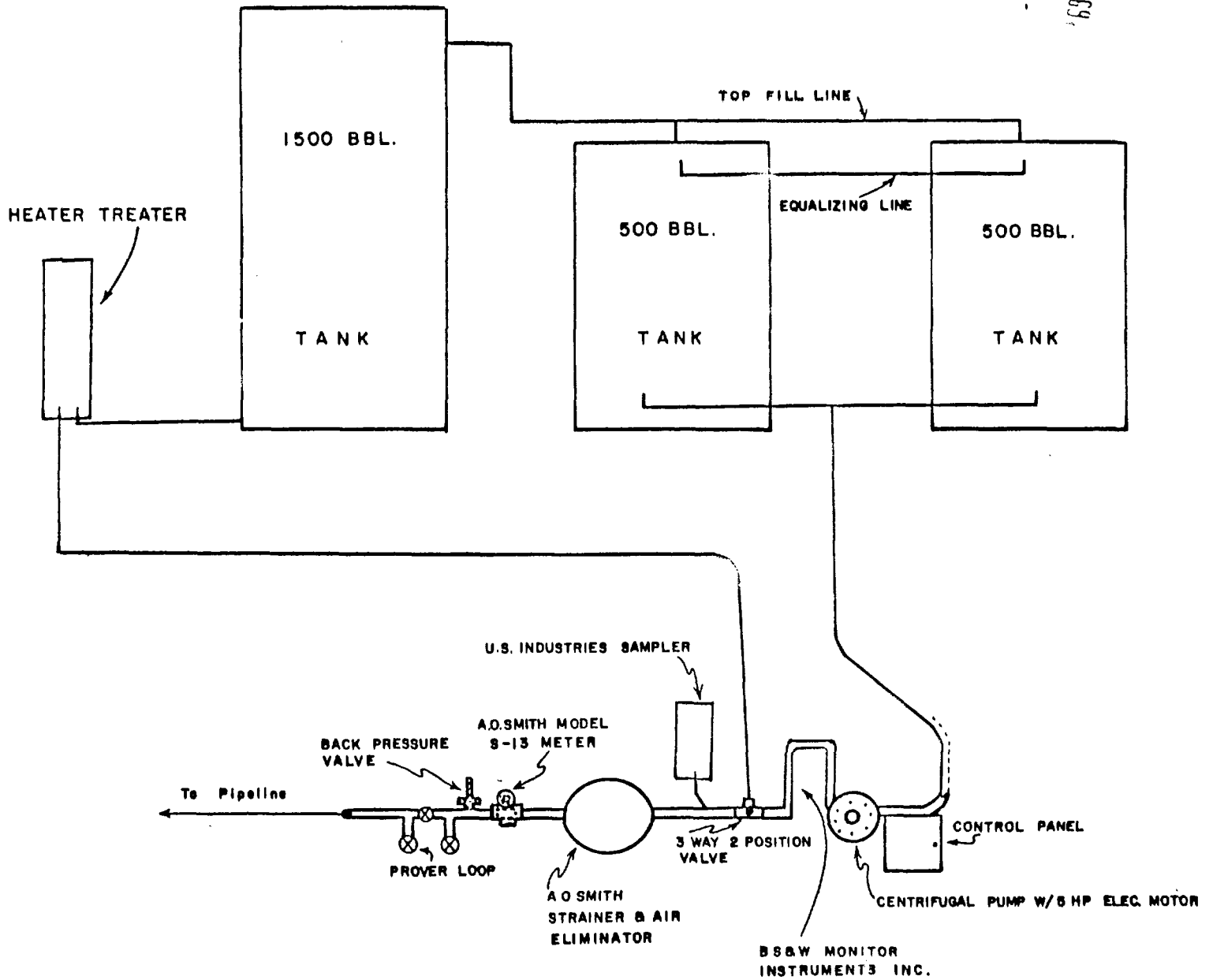
# STATE "19" COMMINGLING FACILITY



## SCHEMATIC OF COMMINGLING FACILITIES DELAWARE APACHE CORPORATION

State "19" Com. No. 1.      State "19" Com. No. 2  
660' FEL & 1980' FSL      660' FEL & 660' FNL  
Sec. 19, T13S, R33E      Sec. 19, T13S, R33E  
Lea County, New Mex.      Lea County, New Mex.

69 MAY 6 PH 1 04



APACHE CORPORATION  
PROPOSED LACT INSTALLATION  
NORTH BAUM UPPER PENN  
LEA COUNTY, NEW MEXICO

# AUTOMATION CONTRACTORS

1008 E. FLORIDA • P. O. BOX 612  
MIDLAND. TEXAS 79701

PHONE  
AREA CODE 915 684-4281  
AREA CODE 915 684-6590

January 19, 1969

## 2-INCH SKID-MOUNTED LACT UNIT

State "19" No. 2  
Lea County, New Mexico

Following is a list of components contained in the captioned LACT Unit:

- 1) 2" Roper Model 3600 GHB, Size #2 Pump with base plate and couplings. Delivery: 56 G.P.M. @ 100 psi, 44° API.
- 2) Motor - 5 H.P., 1735 RPM, 230 volt, 3-phase, Newman Model "A".
- 3) Instruments Inc. Monitor Model 2000 Series complete with fail-safe relay.
- 4) 2" ITT General Controls Model HLLV734JXA2 Diverting valve, 3-way, 2-position, electrically operated.
- 5) Sample Probe - 45° bevel in center of vertical run of pipe.
- 6) Sampler - Solenoid operated with pressure gauge and volume regulator. Sampler pulsed from KR-1 Switch on P.D. Meter Counter and one pulse per barrel ratio. Mounted in vertical riser of fluid stream.
- 7) Sample container, Automation Contractors Model-R 10-gallon, welded, vapor tight, plastic coated with gauge assembly, pressure regulator, electric circulating pump, Model OC-5A, Worthington.
- 8) Strainer - A. O. Smith Electric TEB-10 2" Air Eliminator Strainer assembly.
- 9) Positive Displacement Meter - A. O. Smith Model S-13, 207 counter, automatic temperature compensation.



69 May 6 PH 1 04

- 10) Prover Loop - two Norstrum plug valves and one 2" Plugarama block and bleed drain valve, two 2" quick couplings with dust caps to connect prover hoses.
- 11) 2" Fisher Back Pressure Regulator Valve, adjustable from 5-80 PSI.
- 12) Automation Contractors Panel, consisting of the following:
  - a. Encasement, weatherproof with safety door interlock switch assembly.
  - b. Motor starter, 220/440 volt, 3-phase, 2 coil overload with fusible disconnect switch and reset button.
  - c. Hand-off automatic switch.
  - d. Separate switch for 110 and 220/440 voltage.
  - e. Hand reset button for fail-safe restart.
  - f. Plug-in control relays.
  - g. Indicator lamps with tags, door-mounted to indicate: (1) operating level (2) low level (3) oil shipping (4) oil diverting (5) meter failure.
  - h. Durant lease allowable counter.
  - i. 220/440 volt transformer, weatherproof.
  - j. Program timer, 24 hour to regulate time of operation.
- 13) Control Circuitry with the following functions:
  - a. Start LACT pump when operating level is reached in tank.
  - b. Stop LACT pump when low level is reached.
  - c. Stop LACT pump upon detection of P.D. Meter failure. Adjustable 0-5 minute timer and control circuitry to receive pulses from transmitter. Re-starts automatically after power interruption. Provides complete shutdown after P.D. Meter failure. Manual reset button provided.

W 6 PM 1 CH

- d. Provides signal to energize diverting valve solenoid to shipping positions when BS&W monitor detects clean oil and to de-energize diverting valve solenoid to diverting position when BS&W monitor detects contaminated oil.
- e. Provides signal to energize sampler solenoid each time P.D. Meter impulse is received.
- f. Remove power from diverting valve solenoid so that valve is in diverted position upon detection of bad oil, low flow rate, power failure or allowable complete.
- g. Stop LACT when allowable has been completed.

Welded skid piped, wired, tested, primed and painted.

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 1725  
Midland, Texas 79701  
January 22, 1969

1 04  
69 MAY 6

Our File: 907.81

RE: Delaware-Apache Corporation  
State "19" Lease  
Nos. 1 & 2 wells  
Sec. 19-13S-33E  
Lea County, New Mexico

Mr. Roy Reeves  
Delaware-Apache Corporation  
Wilco Building  
Midland, Texas 79701

Dear Mr. Reeves:

This will confirm our agreement to purchase commingled Pennsylvanian formation oil from the captioned wells.

Yours very truly,

*J. E. Leascher*  
J. E. Leascher *P.R.R.*

JEL/prr

cc: Mr. D. R. Ryan - Tulsa

## SERVICE PIPE LINE COMPANY

3411 Knoxville Avenue  
Lubbock, Texas

January 21, 1969

1969 MAY 6 11:10 AM

Subject: LACT Unit Installation on  
Apache Oil Corp. - State 19  
Commingled #1 & #2, Sec. 19 -  
T13S - R33E, North Baum Pool,  
Lea County, New Mexico

State of New Mexico  
Oil Conservation Commission  
Post Office Box 1980  
Hobbs, New Mexico 88240

Attention: Mr. J. D. Ramey, Supervisor

Gentlemen:

Apache Oil Corp., 1720 Wilco Building, Midland, Texas, 79701,  
is in the process of petitioning to install a LACT unit to handle pro-  
duction from their State 19 Commingled #1 & #2 lease.

We have received the proposed design for this LACT unit and  
feel it will adequately measure oil from this lease. We support and  
urge your approval of the petition.

Yours very truly,



P. N. Figley  
District Superintendent

PNF:CL:brh

cc: Mr. Roy Reeves  
Apache Oil Corp.

# PAN AMERICAN PETROLEUM CORPORATION

Post Office Box 68  
Hobbs, New Mexico

January 20, 1969

File: VES-31-400

Subject: Establishment of State 19  
Commingled Battery

Apache Corporation  
1720 Wilco Building  
Midland, Texas 79701

Attention: Mr. L. Z. Williams

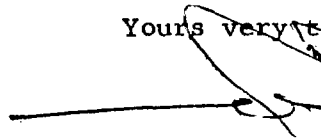
Gentlemen:

This will have reference to your letter dated January 16th in which you requested our approval of your plans to utilize a commingled battery to store oil from your 100% State 19 No. 1 and the 50% Pan American 50% Apache State 19 No. 2 in the North Baum-Upper Penn Pool, Lea County, New Mexico.

This is advise that we approve the establishment of the "State 19 Commingled Battery", to serve the above mentioned wells with the system ownership to be 25% Pan American, 75% Apache.

Since establishment of this commingled battery will entail expenditures greater than \$5,000.00, please submit your AFE for our approval in accordance with the terms of the Operating Agreement.

Yours very truly,



V. E. Staley  
Area Superintendent

DRM/bsh

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