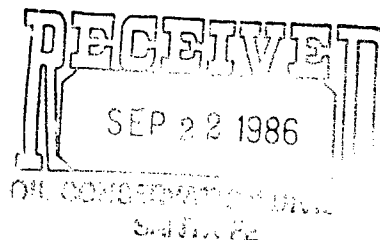


**ADOBE
RESOURCES
CORPORATION**

Adobe Division
1100 Western United Life Bldg.
Midland, Texas 79701

915 683 4701



September 19, 1986

New Mexico Energy & Minerals Dept.
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Downhole Commingling
Linda Federal #1
Sec. 23, T20S, R38E
Lea County, NM.

Gentlemen:

Adobe Resources Corporation respectfully requests an exception to Division Rule 303-A to allow downhole commingling of the Warren Tubb and Blinebry Oil and Gas Pool in the Linda Federal #1 well. A packer leakage test was recently run, indicating a leak. It would not be economic to repair the wells as a dual completion. We are therefore applying for an artificial lift completion commingling both zones together. The following is attached for your review:

- A) A lease plat
- B) C-116's showing most recent test
- C) Decline curves for both zones

The estimated static bottom hole pressure for the Blinebry is 2020 psi and the Warren Tubb is 2145 psi. The produced fluids from the Tubb and Blinebry will not be incompatible. Oil gravity for both zones is 38° API. An analysis was made of the water from each zone to test their compatibility. The results of these tests are attached for your review. The proper chemical treatment will be initiated should there be a downhole scale problem indicated.

The value of the commingled production will not be less than the sum of the values of the individual streams because the price per barrel from both zones is the same.

By copy of this letter, we are notifying the BLM and all offset Operators (see attached address list).

Should you need further information concerning the enclosed, please contact the undersigned.

Sincerely,

Lonnie Arnold
Lonnie Arnold
Engineer

*Commingling
of both zones
verified by
Lonnie Arnold
10-28-86*
LA/dc
enclosures

Tubb - 6603-6726

Blinebry - 5920-6174

LINDA FEDERAL #1
Lea County, New Mexico
OFFSET OPERATORS

Tamarack Petroleum Company
P.O. Box 2046
Midland, Texas 79701

Amerada Hess
P.O. Box 840
Seminole, Texas 79360

Bureau of Land Management
P.O. Box 1778
Carlsbad, NM. 88220

Conoco Inc.
P.O. Box 460
Hobbs, New Mexico 88240

Adobe Resources Corporation
300 W. Texas, Suite 1100
Midland, Texas 79701

Linda Federal #1-K
1980' FSL & 1980' FWL
Section 23, T20S, R38E
Lea County, New Mexico

- (1) Blinebry Oil and Gas
- (2) Warren Tubb (oil)
- (3) Commission Order No. MC 2412

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

Form C-172
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

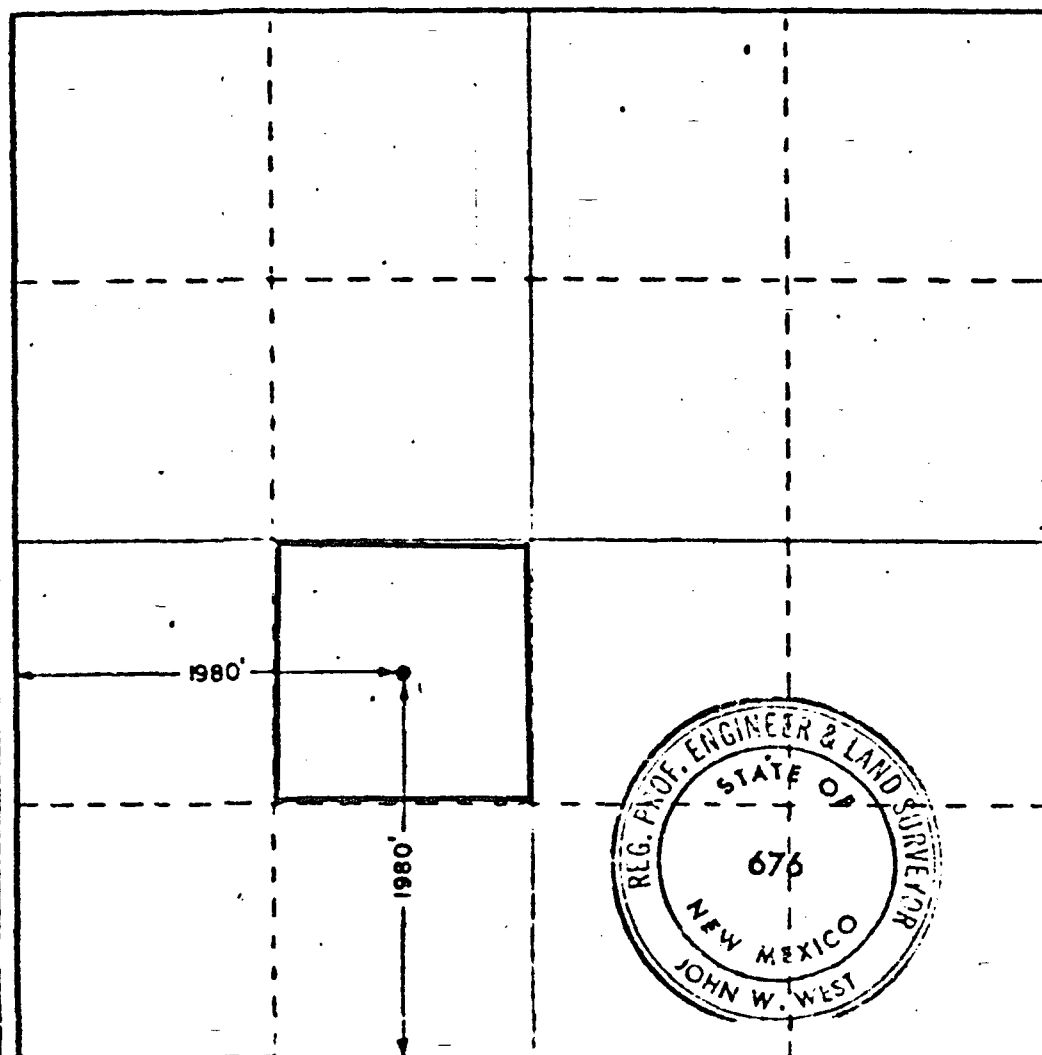
Applicant Adobe Oil Company			Lease LINDA FEDERAL		Well No. 1
Tract Letter K	Section 23	Township 20 SOUTH	Range 38 EAST	County LEA	
Actual Well Location of Well:					
1980	feet from the	SOUTH	line and	1980	feet from the WEST line
Ground Level Elev. 3563.0	Producing Formation Blinebry Tubb		Pool NMFU (Warren)		Dedicated Acreage: 40 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 _____

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 *Carl Bond*
Position
Dist. Prod. Mgr.

Company
Adobe Oil Company

Date
August 5, 1977

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
MARCH 28, 1974

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. **676**

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600 3900 4200 4500 4800 5100 5400 5700 6000

Operator		Pool		County											
Adobe Resources Corporation		Blinebry Oil & Gas		Lea											
Address		TYPE OF TEST - (X)		Completion											
300 W. Texas, Suite 1100, Midland, Tx. 79701		Scheduled ☒		Special ☐											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - O RATIO CU.FT/B		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
Linda Federal	1	K	23	20S	38E	7/14/86	F 14/64	89	6	24	5	38.6	5	39	7800
Linda Federal	2	L	23	20S	38E	7/16/86	P 2	25	6	24	3	38.6	4.6	11	2391
Linda Federal	3	E	23	20S	38E	SI	P SI			SI	SI		SI	SI	SI
Linda Federal	4	F	23	20S	38E	7/18/86	P 2	40	7	24	5	38.6	5.5	12	2182
Llano Federal	1-Y	M	23	20S	38E	7/20/86	P 2	40	10	24	50	37.7	8	20	2500

No well shall be tested at an allowable greater than the amount of oil produced on the official test.

During an 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.

Bill Alvord
Engineer
(Signature)
8/19/86
(Date)

GAS-OIL RATIO TESTS

Operator		Pool		County		Lea									
Adobe Resources Corporation		Warren Tubb (Oil)													
Address		300 W. Texas, Suite 1100, Midland, Tx. 79701		TYPE OF TEST - (X)		Scheduled ☒									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKES SIZE	TBO. PRESS	DAILY ALLOW. AULE	LENGTH OF TEST HOURS	Completion ☐			GAS - O RATIO CU.FT./D		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
Linda Federal	1	K	23	20S	38E	7/14/86	F 24/64	88	6	24	4	35.9	3.5	12	3429
Linda Federal	5	N	23	20S	38E	7/14/86	P --	30	6	24	6	35.9	4.3	17	3954

The well will be maintained at 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 allowances when authorized by the Commission.

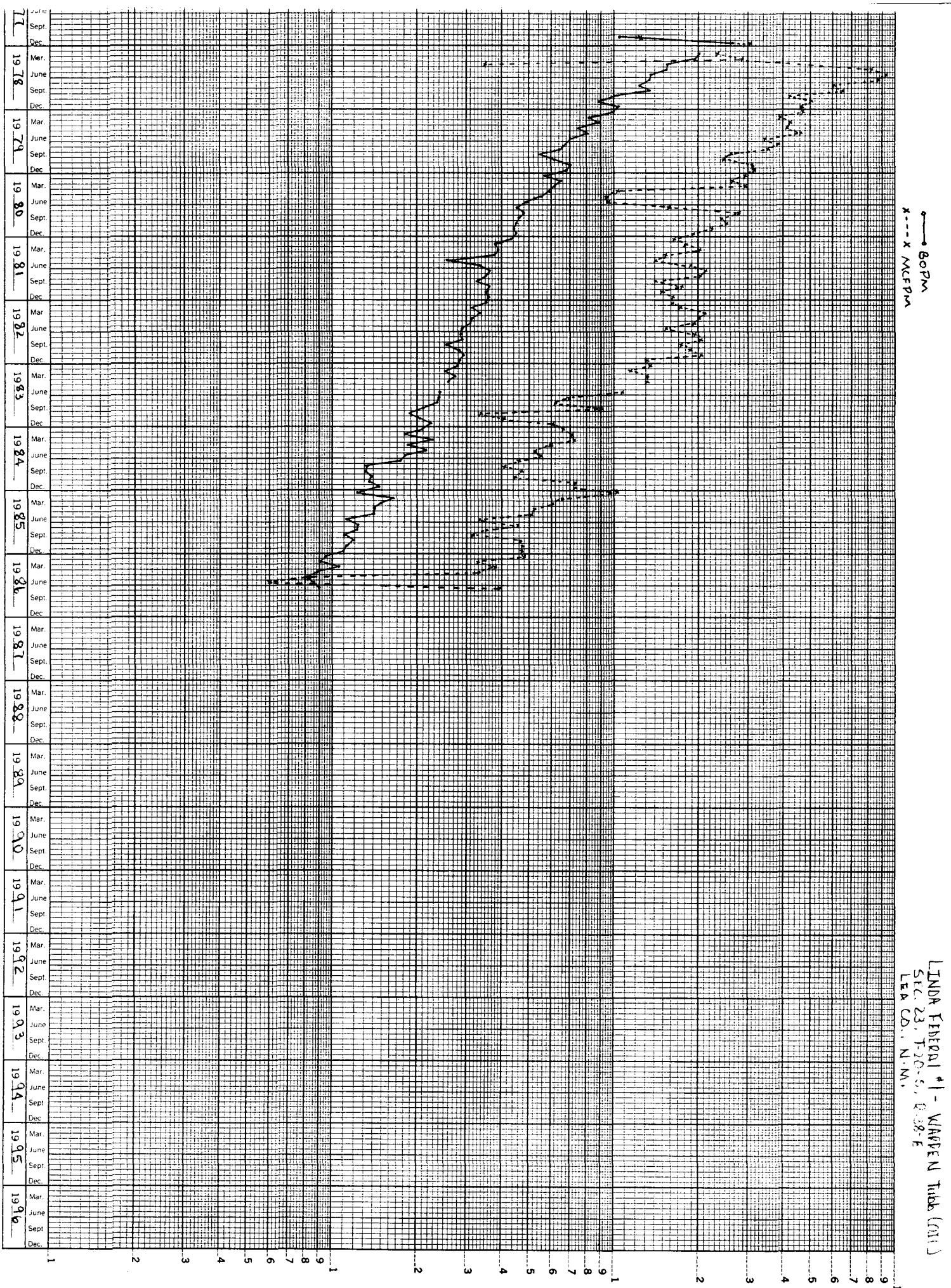
One volume must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

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

File 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.

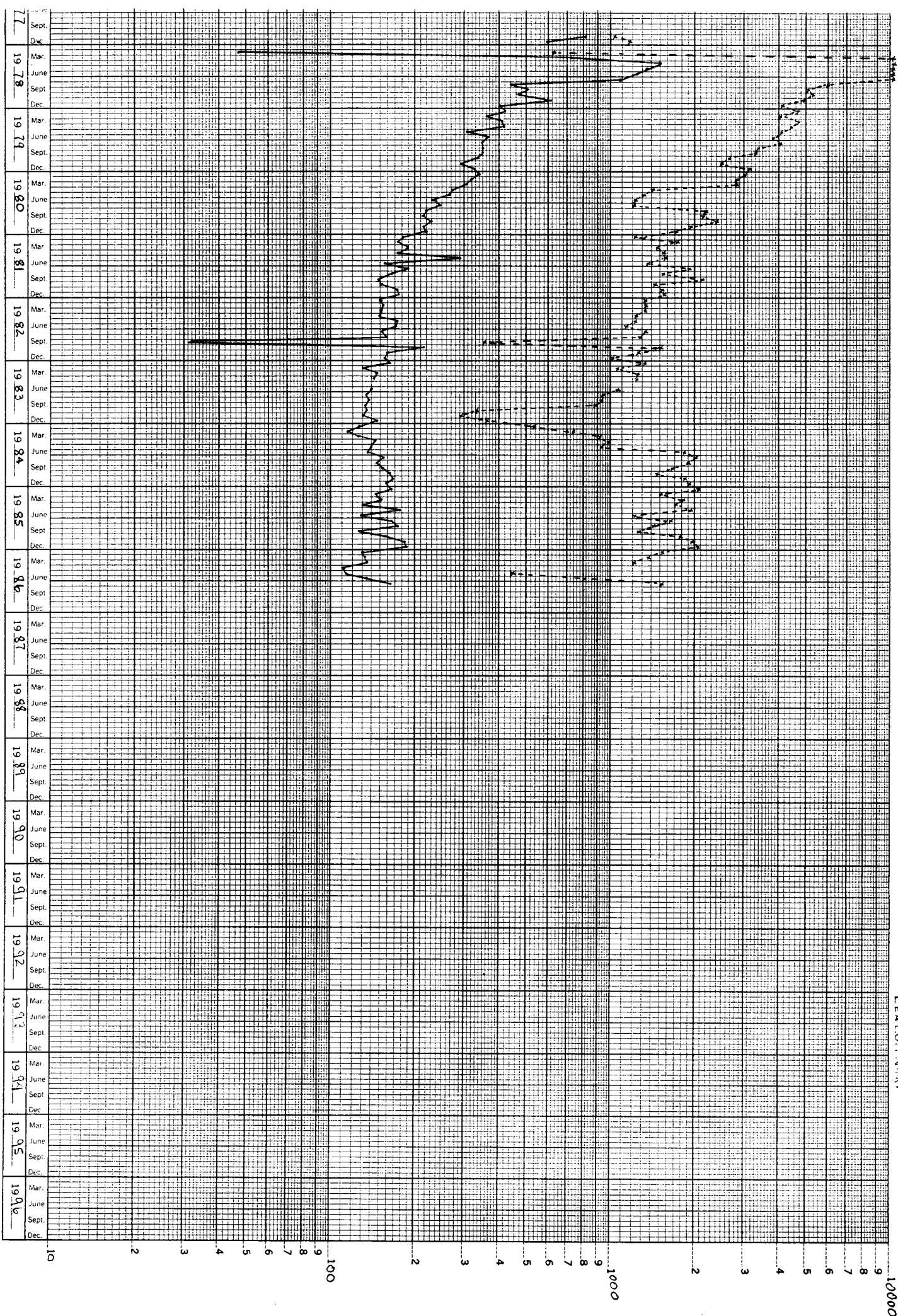
Signature
Engineer 12/12/86



LINDA FEDERAL #1 - WARREN Tubb (MI)
SEC. 23, T-20-S, R-38-E
LEA CO., N.M.

 BOPM
 MCFPM

LINDA FEDERAL #1 - BLINNEY OILFMS
 SEC. 23, T-10-S, R-38-E
 LEACCO, N.M.A.



MARTIN WATER LABS
SEND TO: MR. LONNIE ARNOLD
683-4701

COMPANY ADOBE RESOURCES CORP.
FIELD TERRY

No.1 WELL #1 (BLINEBRY)

No.2 WELL #1 (TUBBS)

No.3

No.4

REMARKS:

LAB. NO.
DATE REC 9-17-86
RR
LEASE LINDA FEDERAL
COUNTY LEA NM

	#1	#2	#3	#4
SPECIFIC GRAVITY	1.1118	1.1280		
PH	7.90	8.10		
BICARBONATE AS HCO3	567	506		
SUPERSAT AS CaCO3	60	85		
UNDERSAT AS CaCO3	0	0		
TOTAL HARD. AS CaCO3	28750	33500		
CALCIUM AS Ca	7300	8300		
MAGNESIUM AS MG	2552	3098		
SODIUM &/or POTASSIUM	51702	59172		
SULFATE AS SO4	1433	1249		
CHLORIDE AS CL	98716	113630		
IRON AS FE	6.48	3.68		
BARIUM AS BA	0	0		
TOTAL SOLIDS, CALC.	162271	186076		
HYDROGEN SULFIDE	0.0	0.0		
RESISTIVITY	0.065	0.061		
CARBONATE as CO3	0	120		
CaCO3 SCALING TEND	NONE	NONE		
CaSO4 SCALING TEND	NONE	NONE		

WE SEE NO INCOMPATIBILITIES BETWEEN THE MIXING OF THE TWO
WATERS SHOWN IN THE ABOVE RESULTS.