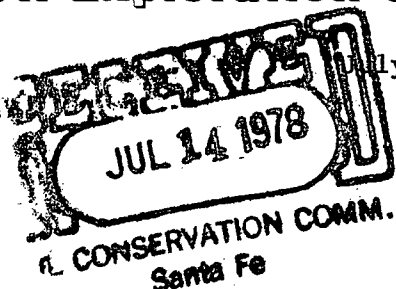


Gulf Oil Exploration and Production Company

C. D. Borland
PRODUCTION MANAGER, HOBBS



July 12, 1978

DHC - 248
Due - 8/4/78

P. O. Box 670
Hobbs, NM 88240

Re: H. T. Mattern (NCT-D) No. 12,
Section 6-22S-37E; H. T. Mattern
(NCT-D) No. 14, Section 6-22S-37E;
H. T. Mattern (NCT-D) No. 16,
Section 7-22S-37E; H. T. Mattern
(NCT-D) No. 17, Section 7-22S-37E,
Lea County, New Mexico
Request for Administrative Approval
to Downhole Commingle the Blinebry
and Drinkard Pools

Mr. Joe D. Ramey
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

*Adjacent to Blinebry
In Drinkard*

Dear Sir:

Your administrative approval is requested for an exception to Rule 303-A to permit downhole commingling of production in the subject wells from the Blinebry and Drinkard pools. Production from the same two pools is presently being commingled downhole in Gulf's H. T. Mattern (NCT-D) No. 8, per Order No. R-5114 dated November 17, 1975. There is no evidence of fluid incompatibility and we do not expect any reservoir damage due to downhole commingling in the well bore. Ownership of the two pools is common and correlative rights will not be violated.

Currently, Wells No. 12, 14, 16 and 17 each utilize a single pumping unit installation producing from the Drinkard pool. Upon approval to downhole commingle, we will isolate the Drinkard zone and perforate and stimulate the Blinebry zone. The Blinebry will then be tested separately. At that time Gulf will submit to the District Supervisor of the Energy and Minerals Department of the Oil Conservation Division, separate stabilized well tests from the Blinebry pool for computing an allocation formula as provided under the guidelines of Order No. R-5114.

We propose to tube the wells to the Drinkard zone and utilize the pumping equipment on the Drinkard in each of the wells to lift the fluids from the commingled zones. Based upon offsetting wells on the H. T. Mattern (NCT-D) lease, it is our expectation that the Blinebry zone in Wells No. 12, 14, 16 and 17 will need to be artificially lifted.



July 12, 1978

Upon approval of this application and in the event that the Blinbry does not require artificial lift, Gulf will postpone downhole commingling until such time both zones require artificial lift and the total daily production from both zones, before commingling, does not exceed 40 barrels per day.

Additional information concerning this application as outlined in Rule 303-C is attached for your consideration.

Yours very truly,



C. D. BORLAND

Attachments

LBI/dch

cc: Energy and Minerals Department
Oil Conservation Commission
P. O. Box 1980
Hobbs, NM 88240

Continental Oil Company
P. O. Box 460
Hobbs, NM 88240

Getty Oil Company
P. O. Box 249
Hobbs, NM 88240

Larry L. Yarborough
P. O. Box 1001
Eunice, NM 88231

Sohio Petroleum Company
P. O. Box 3000
Midland, TX 79702

Petro-Lewis Corporation
P. O. Box 509
Levelland, TX 79336

Atlantic Richfield Company
P. O. Box 1610
Midland, TX 79701

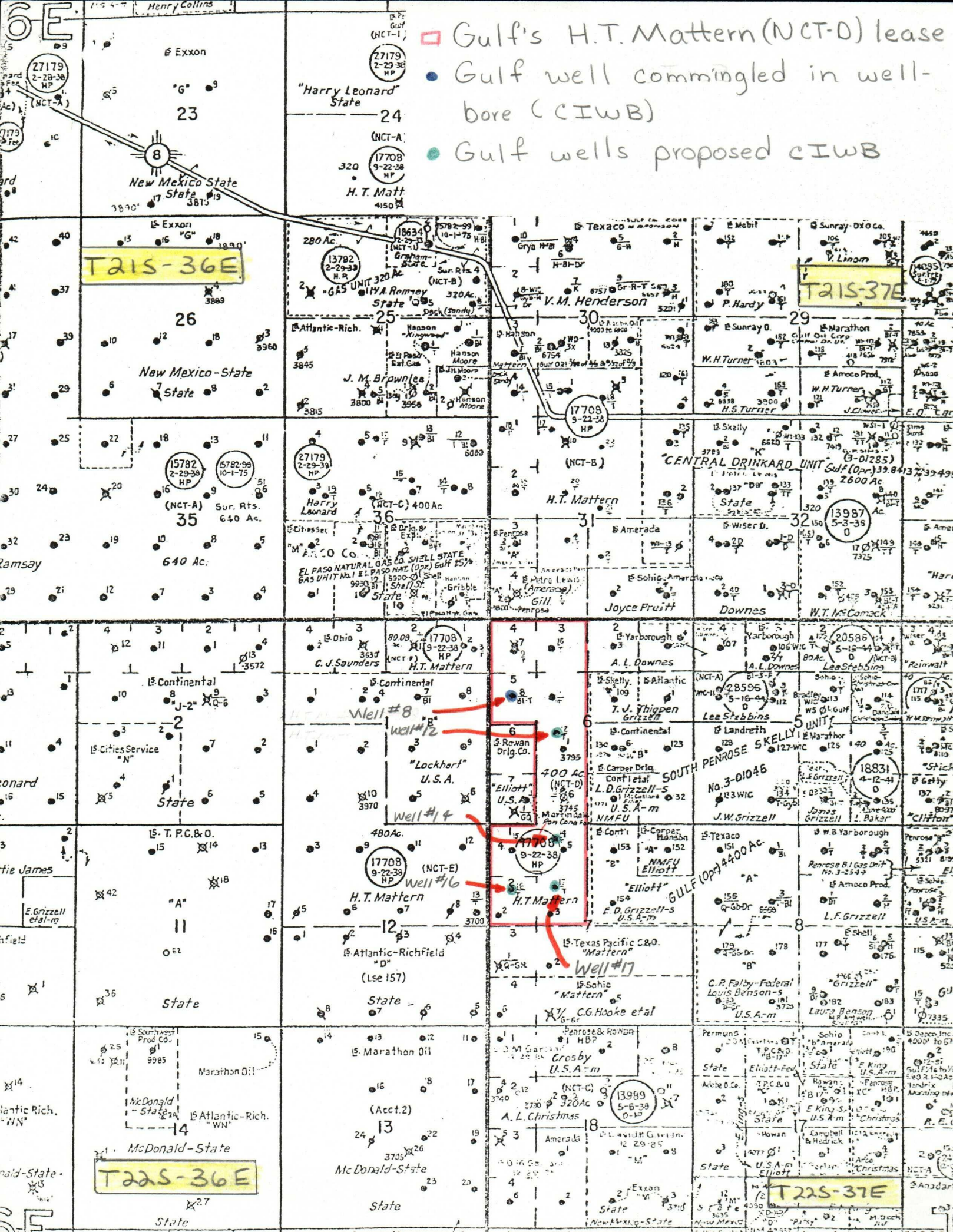
Texas Pacific Oil Company, Inc.
P. O. Box 4067
Midland, TX 79701

El Paso Natural Gas Company
600 Building of the Southwest
Midland, TX 79701

Amerada Hess Corporation
P. O. Box 840
Seminole, TX 79360

Shell Oil Company
P. O. Box 1509
Midland, TX 79702

- Gulf wells proposed cIWB



H. T. MATTERN (NCT-D) NO. 12

- (1) Gulf Oil Corporation
P. O. Box 670
Hobbs, NM 88240
- (2) Lease and Well No.: H. T. Mattern (NCT-D) No. 12
Unit K, 2130'FSL & 1860'FWL Section 6-22S-37E,
Lea County, New Mexico
- (3) Decline Curve: Attached (Drinkard Oil)
- (4) Well History: Well No. 12 was drilled to a total depth of 6800', with 5-1/2" production casing set at 6800'. Current PBTD is 6759'. The 5-1/2" casing was perforated w/4 - 1/2"JHPF on 7-14-75 in the Drinkard Oil zone (6548-6657'). Stimulation at initial completion was with 2000 gal 15% NE HCL and 35,000 gal gelled water containing 1 - 2# 20-40 SPG. Pumping equipment was installed on 7-23-75. Well pumped 110 BOPD and 140 BWPD on 7-31-75 at initial completion. The Drinkard was treated with an additional 3,000 gal 15% HCl on 10-8-76.
- (5) Bottom Hole Pressure Data:
(Midpoint casing perforations)

Blinebry	550 psi at a subsea depth of -2132'*
Drinkard	670 psi at a subsea depth of -3138'*

*Estimates based on most recent available average BHP data within vicinity of well and fluid level test.
- (6) Fluid Characteristics: Blinebry and Drinkard are presently being commingled downhole in Gulf's H. T. Mattern (NCT-D) No. 8, Order No. R-5114 dated 11-17-75. There has been no evidence of fluid incompatibility.
- (7) Value of commingled fluids: Blinebry and Drinkard production are presently being surface commingled on this lease. Since production is already being commingled on the surface, downhole commingling will not affect the price.
- (8) Current Production Test: See attached C-116.
- (9) All offset operators have been furnished a copy of this application.

Continental Oil Company, P. O. Box 460, Hobbs, NM 88240
Getty Oil Company, P. O. Box 249, Hobbs, NM 88240
Larry L. Yarborough, P. O. Box 1001, Eunice, NM 88231
Sohio Petroleum Company, P. O. Box 3000, Midland, TX 79702
Petro-Lewis Corporation, P. O. Box 509, Levelland, TX 79336
Atlantic Richfield Company, P. O. Box 1610, Midland, TX 79701
Texas Pacific Oil Company, Inc., P. O. Box 4067, Midland, TX 79701
El Paso Natural Gas Company, 600 Building of the Southwest, Midland, TX 79701
Amerada Hess Corporation, P. O. Box 840, Seminole, TX 79360
Shell Oil Company, P. O. Box 1509, Midland, TX 79702

Lease H.T. Mattern (Net D) Well No. 12 Pool Drinkard
Location 2130 FSL 1860 FWL Sec 6-22S-37E County Lea State NM

GLE: 3454

KDB: 3465

H = 11

Initial Comp. Date: 7-31-75
Producing Formation: Drinkard

Zone	Comp. Date	Date Aban
<u>6548-6657</u>	<u>7-31-75</u>	

8 5/8" OD 24 # Grade K-55

Set @ 1188' w/ 450 sxs

Top of Cmt @ GLE, Circ by: 25sxs

Treatment History: (Current Zone)
(7-14-75) Perfor Drk 6548-6657

Spot 120 gal 15% NEHCL. Acidize w/
2,000 gal 15% HCL. Frac w/ 35,000 gal
gold wtr + 1-2 #20-90SPG
IP 110BD, 140BW

(10-8-76) Acidize 6548-6657. Staddle
each set w/ 500 gal 15% NEHCL.

Before 1530 21BW

After 1700 8BW

Equipped to Pump 7-23-75

Tbg String

2 3/8" 4.70 # EUE BRD J-55,
5 1/2" x 2 3/8" Anchor (Guib) Type T.M.
Set with 19,000-T @ 6480,
2 3/8" +bg, SN @ 6670,
4' perfid nipple @ 6671,
1; + 2 3/8 BPOB, B+m+bg 6707

Producing History:

Formation: _____

Month or Year	Oil	Wtr	Gas

Last Test Dated: _____

BOPD

BWPD

FL: _____ Calc. Ppg. Eff: _____

Cum. Oil _____ Cum. Gas _____

Remarks and Recommendation: _____

5 1/2" OD 15.50 # Grade K-55

Set @ 6800' w/ 700 sxs

Top of Cmt @ 2440 by: TS

350 sxs CLC + 16% Gel
Tailed in w/ 350 sxs CLC neat

PBTD 6759(F)

TD 6800

Prepared By: LBA

Lease/well
Pool

H.T. Mattern (NCT-D) # 12
Drinkard

10,000

9000

8000

7000

MCF

BBL

per month

6000

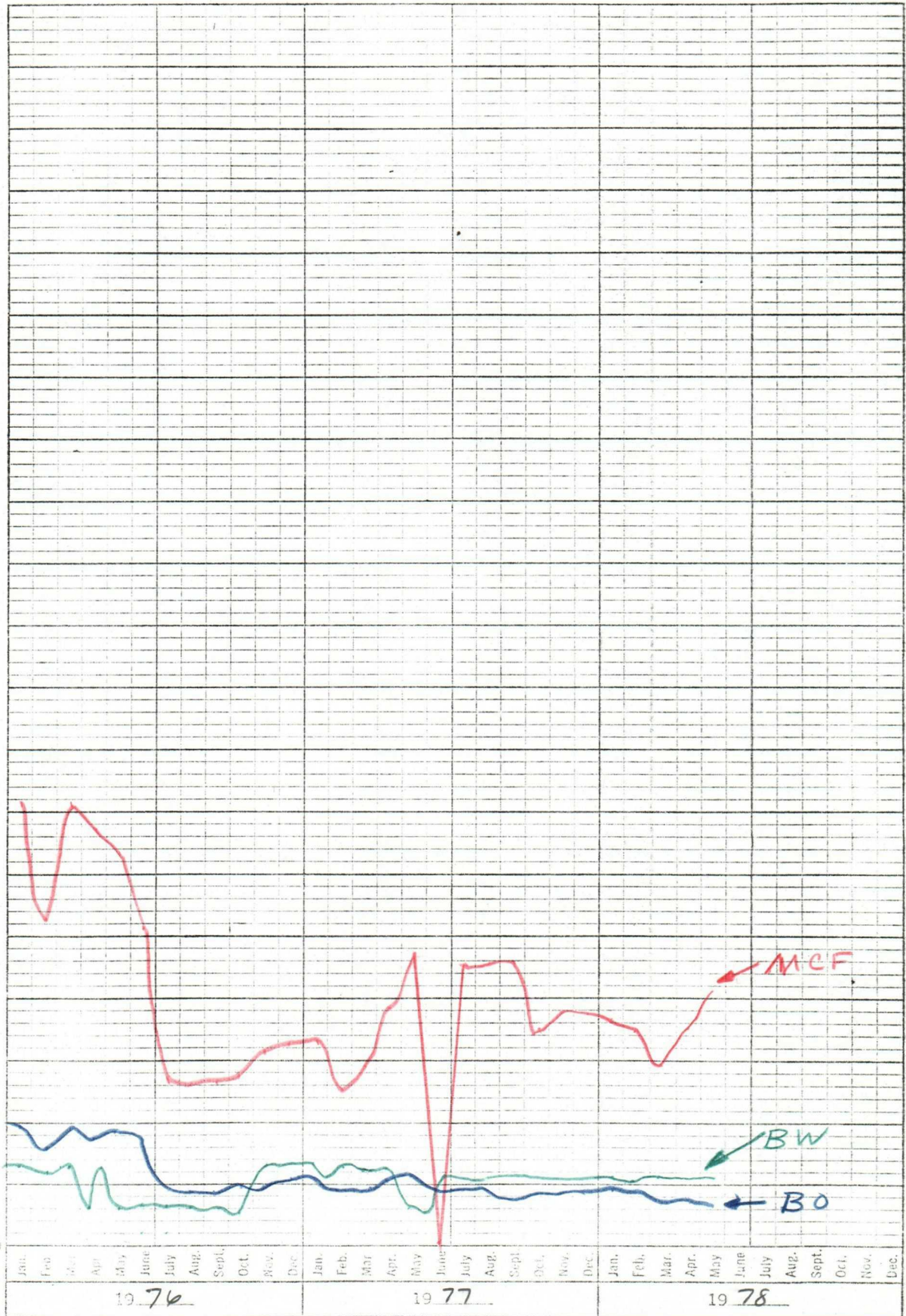
5000

4000

3000

2000

1000



C-118
Revised 1-1-65

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

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

Keep original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 303 and appropriate pool rules.

(Signature)
Well Tester

July 12, 1978 (Tide)

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE July 14, 1978

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated _____
for the Gulf Oil Corp. H. T. Mattern #12, #14, #16 & #17 Secs. 6 & 7-22-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

James S. Smith