

Gulf Oil Exploration and Production Company

July 12, 1978

C. D. Borland
PRODUCTION MANAGER, HOBBS AREA

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

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.



A DIVISION OF GULF OIL CORPORATION

July 12, 1978

Upon approval of this application and in the event that the Blinebry 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

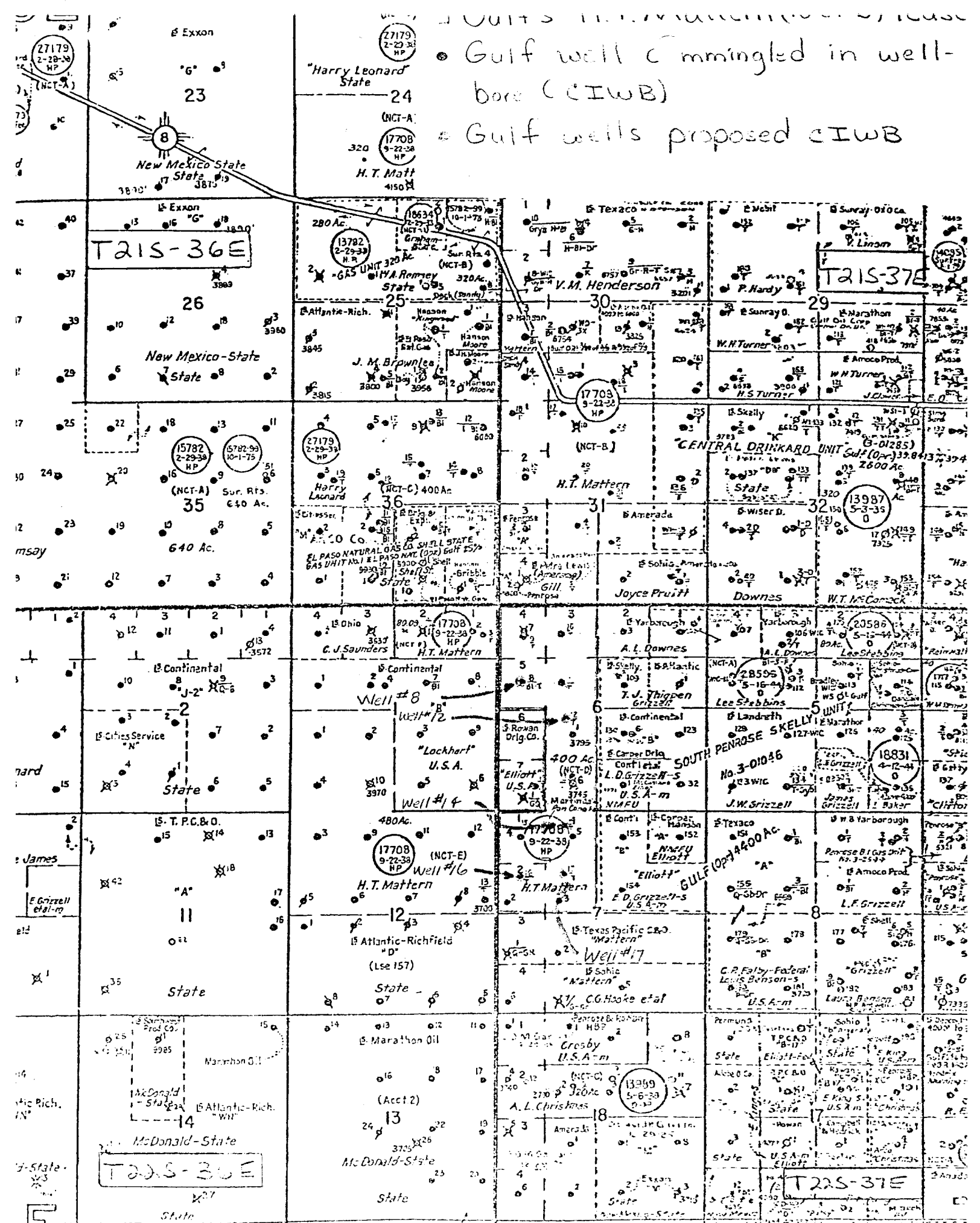
Atlantic Richfield Company
P. O. Box 1610
Midland, TX 79701

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



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

GLE: 3454

KDB: 3465

H = 11

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

Zone	Comp. Date	Date Abs
6548-6657	7-31-75	

5 1/2" OD 24 # Grade K-55 Treatment History: (Current Zone)
(7-14-75) Perforated Drk 6548-6657
Set @ 1188' w/ 450 sxs Spent 120 gal 15% NEHCL. Acidizing w/
2,800 gal 15% HCL. Flow 35,000 gal
Top of Cmt @ GLE, Circ by: 25 sxs
acid water + 1-2 #20-90 SPG
IP 110 BD, 140 BW
(10-8-76) Acidize 6548-6657. Straddle
Each set w/ 500 gal 15% NEHCL -
Before 15 BD 21 BW
After 17 BD 8 BW
Equipped to Pump 7-23-75

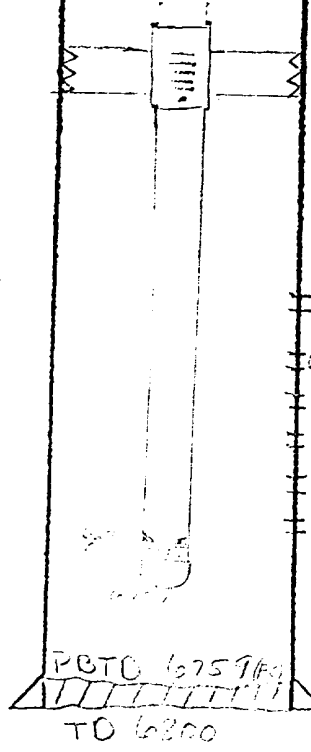
Tbg String
2 3/8" 4.70 # EUE BRD J-551
5 1/2" x 2 3/8" Anchor (Guib) Type T.A.
Set with 19,000-T @ 6480,
2 3/8" +bg, SN @ 6670,
4' perforated nipple @ 6671,
1j + 2 3/8" BPOB, B + m + bg 6707

Producing History:
Formation: _____
Month or Year Oil Wtr Ga

Last Test Dated: _____
BOPD BHPD
FL: _____ Calc. Ppg. Eff: _____
Cum. Oil _____ Cum. Gas _____

6548-50 } Drinkard
6549-62 } 4-1/2" JHPF
6585-87
6617-19
6637-41
6655-57

5 1/2" OD 15.50 # Grade K-55 Remarks and Recommendation:
Set @ 6800' w/ 700 sxs.
Top of Cmt @ 2440 by: TS
350 sxs CMC + 10% GA
Tailed in w/ 350 sxs 224 west



Lease/well
Pool

H.T. Matten (NCT-D) = 12
Drinkard

10,000

9000

8000

7000

MCF

BBL

per month

6000

5000

4000

3000

2000

1000

MCF

BW

BO

76

77

10 78

3 YEARS BY MONTHS
X 100 DIVISIONS
PERCENTAGE

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator Gulf Oil Corporation		Pool Drinkard		County Lea										
Address P. O. Box 670, Hobbs, NM 88240		Type of Test - (X) <input checked="" type="checkbox"/> TEST - (X)		Scheduled <input type="checkbox"/>										
LEASE NAME L. T. Mattern (NCT-D)	WELL NO. 12	LOCATION			DATE OF TEST 6-26-78	CHOKE SIZE 2 1/2" w/o	TBG. PRESS. 40	DAILY ALLOW-ABLE 18	LENGTH OF TEST HOURS 24	Completion <input type="checkbox"/>			Special <input checked="" type="checkbox"/>	
		U	S	T						R	WATER BALS.	PROD. DURING TEST GRAV. OIL BALS.		GAS M.C.F.
	K	6	22	37						13	36.8	11	200.0	18182

No well will be assigned 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 allowable 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.

[Signature]
Well Tester (Signature)

July 12, 1978 (Date)

H. T. MATTERN (NCT-D) NO. 14

- (1) Gulf Oil Corporation
P. O. Box 670
Hobbs, NM 88240
- (2) Lease and Well No.: H. T. Mattern (NCT-D) No. 14
Unit C, 400'FNL & 1650'FWL, Section 6-22S-37E,
Lea County, New Mexico
- (3) Decline Curve: Attached (Drinkard Oil)
- (4) Well History: The well was originally drilled to a total depth of 6700'. A 5-1/2" production string was set at 6700' w/current PBTD at 6682'. The 5-1/2" casing was perforated w/4 - 1/2"JHPF on 8-18-75 in the Drinkard Oil zone (6488-6644'). The Drinkard was stimulated with 3300 gal of 15% NE HCL and fraced with 49,000 gal gelled brine containing 1 - 2# 20-40 SPG. Well flowed 155 BOPD and 68 BWPD on 8-26-75. The Drinkard was additionally stimulated on 10-1-75 with 2000 gal 15% NE HCL. Pumping equipment was installed on 10-20-75 and on 8-19-76 the Drinkard was again stimulated with 3000 gal 15% NE HCL.
- (5) Bottom Hole Pressure Data:
(Midpoint casing perforations)
Blinebry 550 psi at a subsea depth of -2146'*
Drinkard 670 psi at a subsea depth of -3107'*
*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

GLE: 3445

KDB: 3458.6
H = 13.6

Initial Comp. Date: 8-26-75
Producing Formation: Drk

Zone	Comp. Date	Date Aba
<u>6488-6494</u>	<u>8-26-75</u>	

8 3/8" OD 24 # Grade K-55

Set @ 1120' w/ 500 sxs

Top of Cmt @ (Cmt circ) by:

Tbg. String

2 3/8" 4.70" EUE BRD J-55 +bg,
5 1/2 x 2 3/8" Guiberson Type T-M set w/
8,000 # - T @ 6458, 2 3/8" +bg,
SN# 6651, 4' perf nipple @ 6652,
18' +bg subs BPOB. Rtm +bg @ 6679

Treatment History: (Current Zone)

(8-18-75) Per'd Drk 6488-6644
(8-19-75) Acidized Drk w/ 3340 gal 15% NEHCL
Fract w/ 49,000 gal gold brine 1-2 # 2040 SP6
IP 155 BO 68 BW
(10-1-75) Acidized w/ 2,000 gal 15% NEHCL
After 116 BO, 26 BW
Before 61 BO, 20 BW
Equip. to Pump 10-20-75
(8-19-76) 3,000 gal 15% NEHCL down
+bg After spd 35 BO 10 BW
Before spd 23 BO 10 BW

Producing History:

Formation: _____

Month or Year	OIL	WTR	GA

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 @ 6700' w/ 700 sxs

Top of Cmt @ 2220 by: TS

350 sxs CLC + 10% Gel + 2% NHCL

+ 1.1% SER-2

Taped in with 350 sxs CLC + 5% GEL-2

Prepared By: LBD

6-30-78

Lease/well
Pool

H.T. Mattam (UCT-D) #14
Drinkard

MCF &
BBL
per
month

10,000

9000

8000

7000

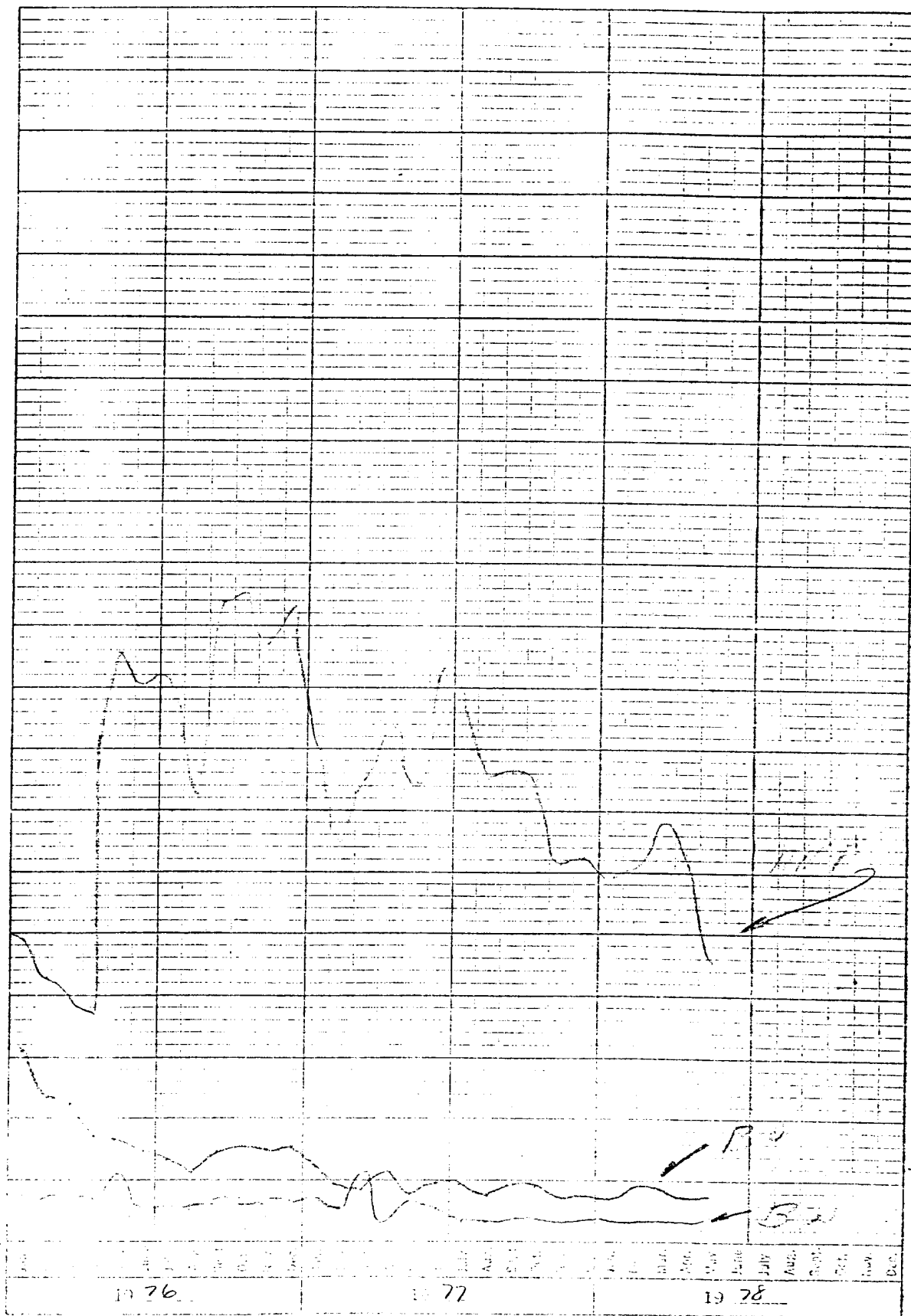
5000

4000

3000

2000

1000



**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator Gulf Oil Corporation		Pool Drinkard		County Lea											
Address P. O. Box 670, Hobbs, NM 88240		TYPE OF TEST - (X) <input checked="" type="checkbox"/> TEST - (X)		Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT/BSL	
		U	S	T	R						WATER BLS.	CRACK. OIL BLS.	GAS M.C.F.		
H. T. Mattern (NCT-D)	14	C	7	22	37	6-19-78	2" w/o	40	26	24	7	37.8	10	149.0	14900

No well will be assigned 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 allowable 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.

Well 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.

Well Tester
Well Tester
July 12, 1978 (7744)

H. T. MATTERN (NCT-D) NO. 16

- (1) Gulf Oil Corporation
P. O. Box 670
Hobbs, NM 88240
- (2) Lease and Well No.: H. T. Mattern (NCT-D) No. 16
Unit E, 1650'FNL & 610'FWL Section 7-22S-37E,
Lea County, New Mexico
- (3) Decline Curve: Attached (Drinkard Oil)
- (4) Well History: The well was originally drilled to a total depth of 6760, with 5-1/2" production casing set at 6760'. Current PBTD is 6725'. On 9-16-75 the 5-1/2" casing was perforated w/4 - 1/2"JHPF in the Drinkard Oil zone (6510-6670'). Drinkard was acidized with 3200 gal 15% NE HCL and fraced with 49,000 gal gelled brine containing 1 - 2# 20-40 SPG. An additional acid stimulation of 2000 gal 15% NE HCL was performed on 9-30-75. Pumping equipment was installed on 10-20-75 and initial production from the Drinkard was 108 BOPD and 49 BWPD on 10-23-75. Drinkard was also acidized with 5000 gal 15% HCL on 2-13-76.
- (5) Bottom Hole Pressure Data:
(Midpoint casing perforation)
Blinebry 550 psi at a subsea depth of -2154'*
Drinkard 670 psi at a subsea depth of -3121'*
*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

GLE: 3455
KDB: 3468.6
H = 13.6

Initial Comp. Date: 10-23-75
Producing Formation: Ork

Zone	Comp. Date	Date Ab
<u>6510-670</u>	<u>10-23-75</u>	

8 5/8" OD 24 # Grade A-55
Set @ 1082' w/ 500 sxs
Top of Cmt @ (ent cin) by:

Treatment History: (Current Zone)
(9-16-75) Perfor Drk 6510-6670 Acidized
w/ 3200 gal 15% HCL. Frac w/ 89,000 gal
gel brine + 1-2 # 20-90SPG
(9-30-75) Acidized w/ 2,000 gal 15%
HCL. IP 108 BOPD, 49 BW
(2-13-76) Acidized w/ 5,000 gal 15% HCL
After 28 BOPD, 50 BW
Before 16 BOPD, 22 BW

Equip to pump
10-26-75

Tbg strings
2 3/8" 4.70# EUE EPDS-55,
5 1/2 x 2 1/2 Guib Tip TMA + tag anchor
set @ 6383 w/ 2,000 # -T, 2 3/8" + bgs
SNE 6 7/8", scalloped collar
Btm + bgs @ 6965

Producing History:
Formation: _____

Month or Year	Oil	Wtr	G

Last Test Dated: _____
BOPD BWPD
FL: _____ Calc. Ppg. Eff: _____
Cum. Oil _____ Cum. Gas _____

6510-12
6533-35
6563-45
6596-98
6623-25
6646-48
6668-70
Drinkard
4-1/2' INPE

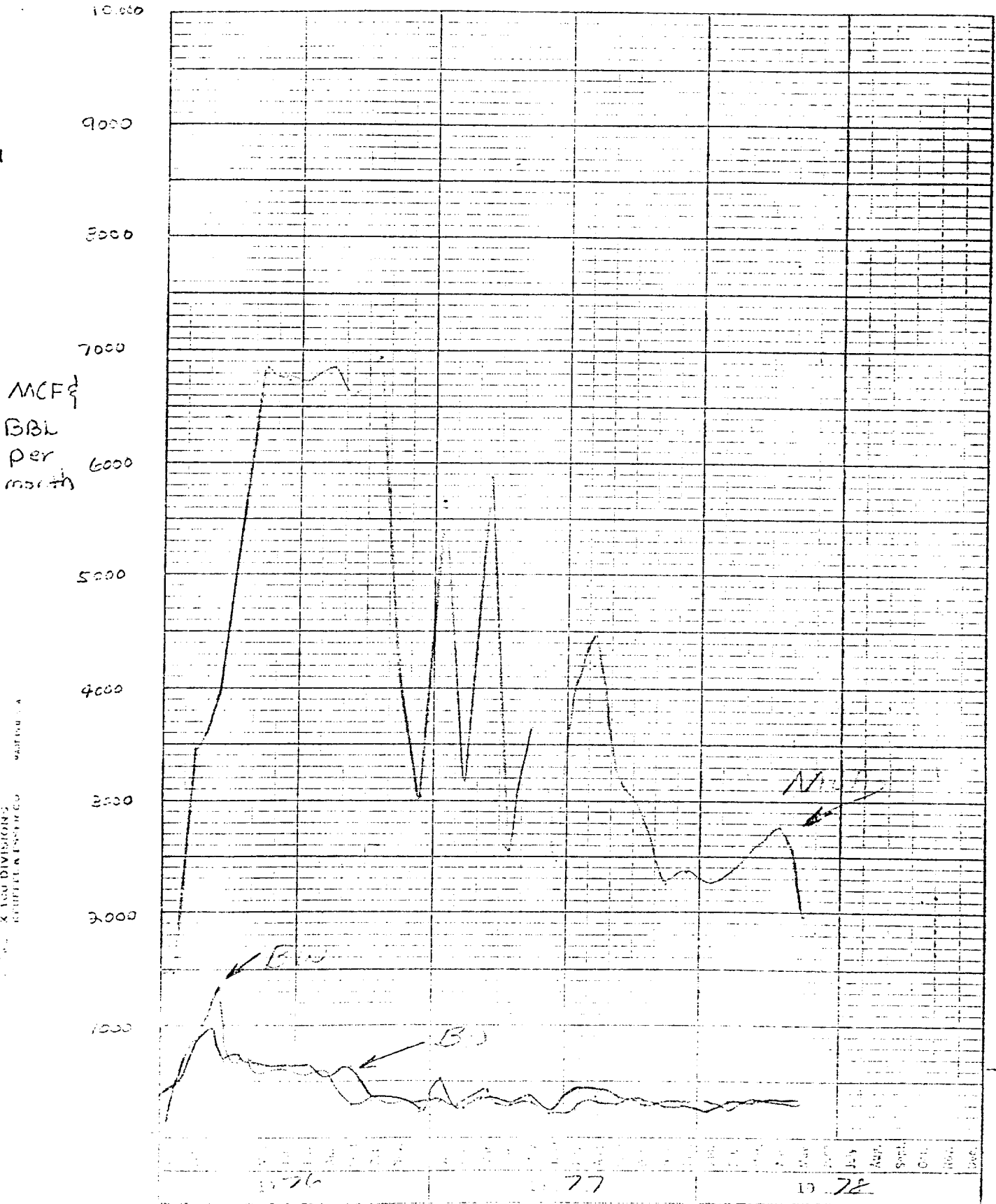
5 1/2" OD 15.50 # Grade A-55

Remarks and Recommendation:

Set @ 6760' w/ 650 sxs
Top of Cmt @ 2275 by: TS
3500 gal 15% HCL + 1-2 # 20-90SPG
3000 gal 15% HCL + 1-2 # 20-90SPG
3000 gal 15% HCL + 1-2 # 20-90SPG

Prepared By: ABD
10-30-75

Lease/well H.T. Matheson (WCT-0) #16
 Pool Drinkard



Cell: 5
Inventory: 1-1-55

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.

Well 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.

(Signature)

July 12, 1978 (T:Lee)

H. T. MATTERN (NCT-D) NO. 17

- (1) Gulf Oil Corporation
P. O. Box 670
Hobbs, NM 88240
- (2) Lease and Well No.: H. T. Mattern (NCT-D) No. 17
Unit F, 1650'FNL & 1720'FWL Section 7-22S-37E,
Lea County, New Mexico
- (3) Decline Curve: Attached (Drinkard Oil)
- (4) Well History: Well No. 17 was drilled to a total depth of 6735', with 5-1/2" production casing set @ 6734'. Current PBTD is 6698'. The Drinkard zone was perforated with 4 - 1/2" JHPF (6488-6654') on 10-7-75. Stimulation was with 2800 gal 15% NE HCL and 30,000 gal gelled brine containing 1 - 2# 20-40 SPG. Well was equipped to pump on 10-21-75 and pumped 86 BOPD and 120 BWPD at completion on 10-23-75.
- (5) Bottom Hole Pressure Data:
(Midpoint casing perforations)

Blinebry	550 psi at a subsea depth of -2126'*
Drinkard	670 psi at a subsea depth of -3107'*

*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 Hell Corporation, P. O. Box 840, Seminole, TX 79360
Shell Oil Company, P. O. Box 1509, Midland, TX 79701

Location 1650 FNL, 1720 FNL - 7-225-37E County Dea State NM

GLE: 3450

KDB: 3464

H = 13.6

Initial Comp. Date: 10-23-75

Producing Formation: Drk

Zone	Comp. Date	Date Ab
<u>6488-6654</u>	<u>10-23-75</u>	

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

Set @ 1090' w/ 500 sxs

Top of Cmt @ (ent cin) by:

Tbg String

2 3/8" 4.70 # EUE BPD Tbg

5 1/2" x 2 1/2" Guib Typ TM @ 6353

2 3/8" Tbg, SN @ 6449, 1j + w/
scalloped collar on btm. Btm + b9
6482

Treatment History: (Current Zone)
(10-2-75) Perfor 6488-6654 Drk

2800 gal 15% NEA, 30,000 gal 9.2 #

gal br cont. 1-2 #SPG

IP 86 BD 120 BW

(10-21-75) Equip. to pump

Producing History:

Formation: _____

Month or Year	Oil	Wtr	G

Last Test Dated: _____

BOPD

BSPD

FL: _____ Calc. Ppg. Eff: _____

Cum. Oil _____ Cum. Gas _____

Remarks and Recommendation:

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

Set @ 6734' w/ 700 sxs

Top of Cmt @ 2230 by: TS

300SX CL 8' + 11 1/2' Gclt + 1 1/2'

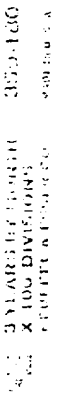
NAIL + 2 1/2' CFR-2

400SX CL 11' + 5 1/2' CFR-2

Prepared By: LBD

Date: 6-30-78

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**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-63

Operator Gulf Oil Corporation		Pool Drinkard		County Lea											
Address P. O. Box 670, Hobbs, NM 88240		Type of Test - (X) <input checked="" type="checkbox"/> TEST - (X)		Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE OF CHOKE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST MOUNDS	PROD. DURING TEST				GAS - OIL RATIO CU.FT/BSL
		U	S	T	R						WATER BSL.	CRAV. OIL BSL.	OIL BSL.	GAS M.C.F.	
H. T. Mattern (NCT-D)	17	F	7	22	37	6-21-78	2" w/o	30	25	24	6	37.8	8	39.0	4875

No well will be assigned 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 allowable 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.

Well 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]
Well Tester (Signature)

July 12, 1978 (Date)