

DHC - 319

Due - 8/31/80

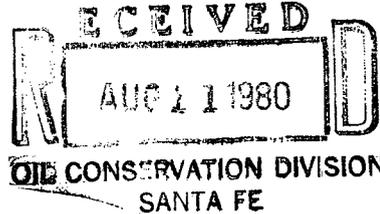
# Gulf Oil Exploration and Production Company

August 8, 1980

R. C. Anderson  
PRODUCTION MANAGER, HOBBS AREA

P. O. Box 670  
Hobbs, NM 88240

Mr. Joe D. Ramey, Director  
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, New Mexico 87501



Re: Lee Stebbins (NCT-A) No. 3  
Unit F - Section 5, T22S - R37E  
Lea County, New Mexico

Dear Sir:

Your administrative approval is requested for an exception to Rule No. 303-C-2 to permit down-hole commingling of marginal Blinebry and Drinkard production in the subject well.

The Lee Stebbins (NCT-A) No. 3 was drilled and completed in 1975 and the two zones dually completed under administrative order MC-2187 dated May 6, 1975. The Blinebry and Drinkard are currently commingled above ground under commingling order CTB-262 dated November 25, 1975. ✓

There is no evidence of incompatibility of fluids. Reservoir damage from down-hole commingling in the well-bore is not expected to occur. Ownership in the two pools is common and correlative rights will not be violated.

Presently the Drinkard is pumping and the Blinebry will not flow. The reservoir pressure is too low to allow flowing conditions. Swabbing failed to restore Blinebry production. The Blinebry will have to be pumped. If this application is approved, the existing pumping equipment will be used to produce both of the zones.

All offset operators have been notified of the proposal to down-hole commingle the subject well. Should secondary recovery operations become practical in the future, the two zones could be separated at that time without damaging either reservoir.

Your early consideration in this matter will be appreciated.

*Blinebry Oil & Gas ?*  
*Drinkard 2B0*

Yours very truly,

*24m*  
*R. C. Anderson*  
R. C. Anderson

RQH/tkw  
Attachments  
dup/Division director  
cc: Oil Conservation Division  
OCD - Hobbs  
C. F. Kalteyer- Midland  
All Offset operators

*Bottom of 6510*  
*max prod: 40.80PD*

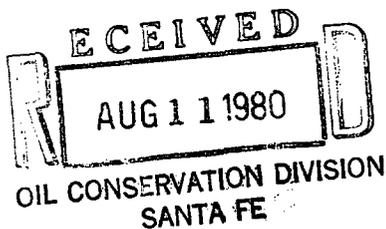
*Let Hobbs allocate*

*Done*



LEE STEBBINS (NCT-A) NO. 3

1. Operator: Gulf Oil Corporation, P. O. Box 670, Hobbs -  
New Mexico 88240.
2. Lease, well and location: Lee Stebbins (NCT-A) No. 3, Unit F  
1870' FNL and 2092' FWL, Section 5, T22S-R37E  
Lea County, New Mexico.
3. Producing zones: Currently producing the Drinkard Pool, which  
is to be commingled with the temporarily closed  
in Blinebry Pool, if approved. Blinebry zone  
was temporarily closed in June 10, 1980.
4. Decline Curve: See attached sheet.
5. Bottom Hole Pressures: See attached sheets.
6. Fluid characteristics: Drinkard and Blinebry are presently being  
commingled in surface facilities on the Lee  
Stebbins (NCT-A) lease. To date, there has  
been no evidence of fluid incompatibility.
7. Well History: Well was spudded 3-18-51 and drilled to a  
total depth of 6595'. Seven inch production  
casing was set at 6531' with top of cement at  
2775'. Initial completion was in the Drinkard  
zone in the open hole section 6532-6595', and  
through perforations 6430-6460' with (4) ½"  
JHPF. The perforated interval stimulated with  
2000 gallons 15% NE Acid, and fractured with  
5000 gallons gelled water containing 1-1½#  
20-40 SPG, and later treated with 4000 gallons  
15% NE Acid and refraced with 5000 gallons  
gelled water containing 1# 20-40 SPG. The  
open hole section was treated with 250 gallons  
15% NE Acid and fraced with 5000 gallons gelled  
brine water containing 2# 20-40 SPG. The  
Drinkard zone was abandoned on 4-15-57 by setting  
a CIBP at 6344'. The Tubb zone was completed  
through perforations 6090-6110', 6112-6170',  
6185-6216', 6240-6253', 6270-6295' with (2)  
½" JHPF, and fractured with 25,000 gallons  
refined oil containing 1# 20-40 SPG. On  
5-10-62 the Drinkard and Tubb were abandoned  
by capping the CIBP @ 6344' with cement to  
6295', setting a CIBP @ 6030', and capping it  
with cement to 6020'.  
The Blinebry was completed through perforations  
5705', 5728', 5748', 5772', 5801', 5856', with  
(4) 1" quadra jet holes in a plane. The  
Blinebry was treated with 500 gallons 15% NE acid  
and fractured with 24,000 gallons gelled lease  
oil containing 3# 20-40 SPG. In 1975 the CIBP  
@ 6030' was drilled, and the Tubb perforations  
6090-6295' and Blinebry perforations 5705-5806'  
were squeezed with 425 sacks cement. The



CONT...

Drinkard open hole section was reopened and fractured with 10,000 gallons gelled water containing 2# 20-40 SPG. The Drinkard perforations 6430-6510' were treated with 3000 gallons 15% NE Acid and fractured with 20,000 gallons gelled water with 1# 20-40 SPG. On test, the Drinkard pumped 10 BO, 12 BW in 24 hours on 9-18-75. The Blinebry was recompleted through perforations 5568-5570', 5584-5586' with (4)  $\frac{1}{2}$ " JHPF. The Blinebry was treated with 700 gallons 15% NE Acid, and fractured with 28,000 gallons gelled water with  $1\frac{1}{2}$ -2# 20-40 SPG. On 11-6-75, the Drinkard pumped 3 BO, 5 BW, and the Blinebry flowed 11 BO, 11 BW in 24 hours.

8. Value of Commingled Fluids:

Drinkard and Blinebry production is being commingled in surface storage facilities on the subject lease per Administrative Order CTB-262, therefore, down-hole commingling will not affect the price.

9. Current Production:

See attached C-116.

10. All Offset operators are being notified by copy of this application.

OFFSET OPERATORS

LEE STEBBINS (NCT-A) NO. 3

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

Amoco  
P. O. Box 68  
Hobbs, New Mexico 88240

ARCO  
P. O. Box 1610  
Midland, Texas 79702

Wiser Oil  
P. O. Box 2467  
Hobbs, New Mexico 88240

Texaco, Inc.  
P. O. Box 3190  
Midland, Texas 79701

10 000 1000

1000 100

46 669 0

Bo  
Bw  
MCF

5 YEARS BY MONTHS X 10 LOG CYCLES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

10



Lee Stebins "A" #3

Bline bry

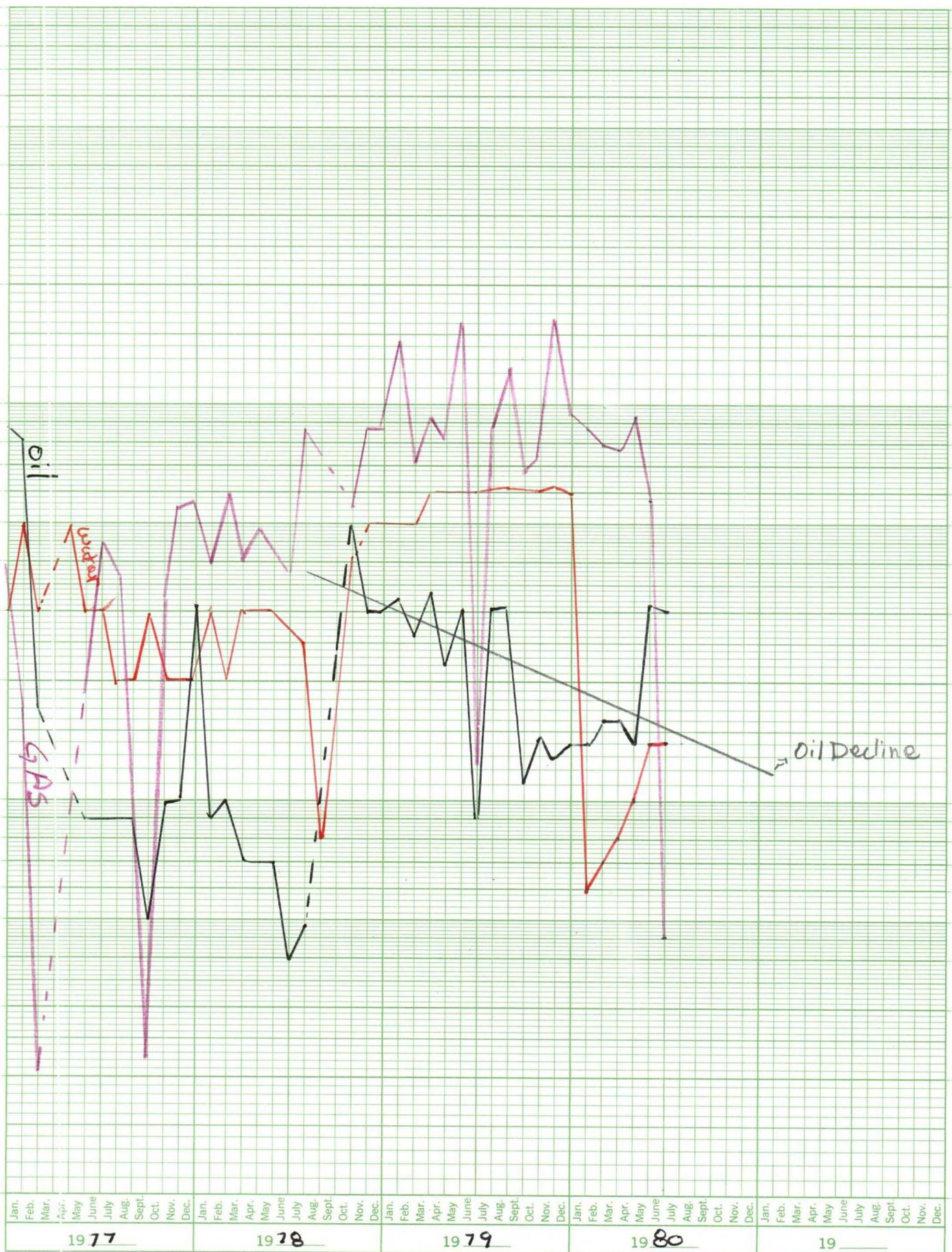
10 000 1000

1000 46 6690

BO  
BC  
MCF

5 YEARS BY MONTHS x LOG CYCLES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

10



Lee Stebins "A" # 3

Drinkard

GAS-OIL RATIO TESTS

Operator **Gulf Oil Corporation** Pool **Drinkard** County **Lea**

Address **Box 670, Hobbs, NM 88240**

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	CHOKESIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/3BL.	
		U	S	T							R	WATER BBL.	GRAV. OIL BBL.		OIL BBL.
Lee Stebbins (NCT-A)	3	F	5	22	37	7-22-80	P 2" WD	40	1	24	1	36.0	2	24.0	12,000

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 allowables when authorized by the Division.  
 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 Division in accordance with Rule 331 and appropriate pool rules.

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

*Joseph H. Stanley*  
 Well Tester  
 (Signature)  
 (Title)

GAS-OIL RATIO TESTS

Operator **Gulf Oil Corporation** Pool **Blinbry** County **Lea**

Address **Box 670, Hobbs, NM 88240** TYPE OF TEST - (X)  Scheduled  Special

LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBC. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BSL
		U	S	T	R							WATER BLS.	GRAV. OIL BLS.	OIL BLS.	GAS M.C.F.	
Lee Stebbins (NCT-A)	3	F	5	22	37	7-23-80	F	19/64	70	7	24	0	-	0	0	-

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 allowables when authorized by the Division.  
 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 Division in accordance with Rule 101 and appropriate pool rules.

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

*Joseph H. ...*  
 Well Tester  
 (Signature)  
 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION  
RESERVOIR PRESSURE REPORT

Form C-174  
Revised 11-65

TYPE OF REPORT - (X)  
Initial Completion X  
Special X  
General Survey

Operator: Gulf Oil Exploration & Production Co.  
Address: Box 670, Hobbs, New Mexico 88240  
Pool: Blinberry  
Producing Formation: Blinberry  
Oil Gradient: -  
Water Gradient: -  
Gas Gravity: -  
Datum Plane: (-2330) \*  
Date: July 17, 1980  
County: Lea

LEASE	WELL NO.	LOCATION				ELEV. (ft)	DATE TESTED	SHUT-IN PRESS. (psi)	BOMB TEST DATA			SONIC INSTRUMENT TEST DATA			PRESS. AT DATUM			
		U	S	T	R				TEST DEPTH	B.H. TEMP. °F	90-SECONDS PRESS.	PROD. TEST (BBL'S./DAY)	LIQUID LEVEL	LIQUID GRAB-SAMPLE INT. PSI/FT.		WT. OF LIQUID COL. PSI	WT. OF GAS COL. PSI	
Lee Stebbins NCT-A	3	F	5	22	37	3451 KB-12	7/17/80	24	458	5650	100	537					.014	539
* MIDPOINT OF CASING PERFORATIONS																		

All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. see RULE 302.  
\* Well shall be produced at least 24 hours prior to shutting in for sonic test.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.  
JABREL SERVICES, INC.  
*Lee J. Jabrel*  
(Signature)  
Agent  
(Title)  
July 22, 1980  
(Date)



OIL CONSERVATION DIVISION  
DISTRICT I

RECEIVED  
AUG 15 1980

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

DATE August 11, 1980

RE: Proposed MC \_\_\_\_\_  
Proposed DHC   X   \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed NSP \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Gulf Oil Corp.	Lee Stebbins (NCT-A)	No. 3-F	5-22-37
Operator	Lease and Well No.	Unit, S - T - R	

and my recommendations are as follows:

O.K.----J.S.

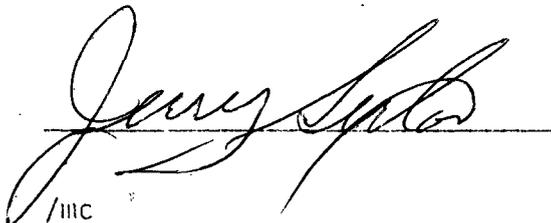
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\_\_\_\_\_

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\_\_\_\_\_

Yours very truly,

  
/inc