

DHC - 319

Due - 8/31/80

Gulf Oil Exploration and Production Company

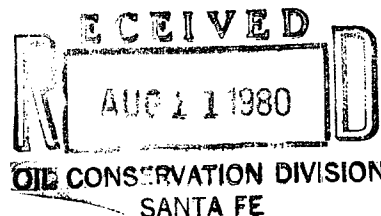
August 8, 1980

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

2 B0

Yours very truly,

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 pf 6510

max prod: 40.80PD

Let Hobbs allocate

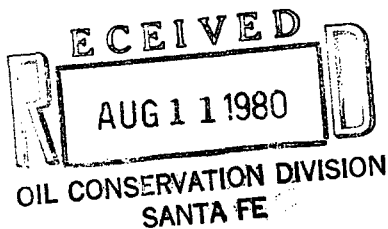
Done



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



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 6690

Bo
Bw
MCF

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

10



Lee Stebins "A" #3

Blind brg

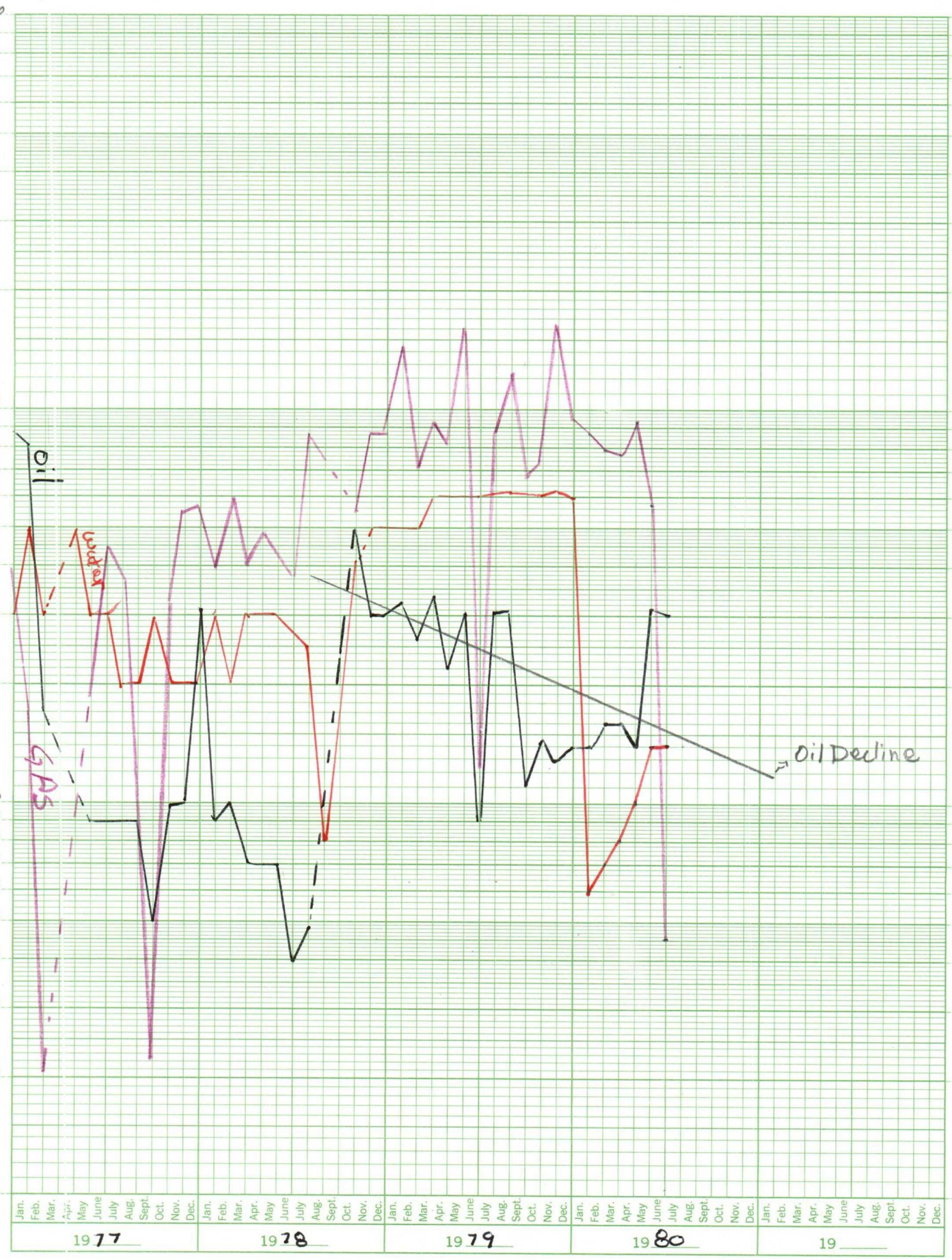
10 000 1 000

1000 100

BO
BW
MCF

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

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Lee Stebins "A" # 3

Drinkard

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P.O. BOX 2683
SANTA FE, NEW MEXICO 87501

Form C-316
Revised 10-1-78

GAS-OIL RATIO TESTS

Operator Gulf Oil Corporation		Pool Drinkard		County Lea											
Address Box 670, Hobbs, NM 88240				TYPE OF TEST - (X)											
LEASE NAME				SCHEDULED <input type="checkbox"/> SPECIAL <input checked="" type="checkbox"/>											
WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	Completion <input type="checkbox"/>			GAS - OIL RATIO CU.FT/3BL			
	U	S	T						R	PROD. DURING TEST					
									WATER BLS.	GRAV. OIL BLS.	GAS M.C.F.				
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 Jr.
Well Tester
(Signature)

(Title)

(Date)

Form C-116
Revised 10-1-78

GAS-OIL RATIO TESTS

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 201 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. Crumley, Jr.
(Signature)
Well Tester

Tides

(Date)

Form C-174
Revised 1-1-65

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* 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.

Agent

July 22, 1980

(S. Knudsen)

(Title)

(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:

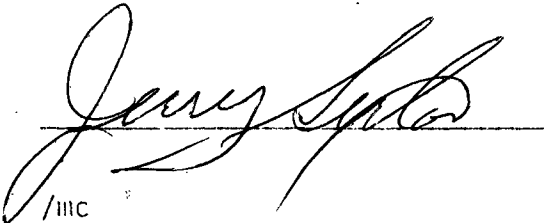
I have examined the application for the:

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.

Yours very truly,


/mc