

**MABEE PETROLEUM CORP.**

901 PETROLEUM BUILDING  
MIDLAND, TEXAS 79701  
(915) 682-4315

OK JJ

January 8, 1985

Mr. Jerry Sexton  
Hobbs District Office  
State of New Mexico  
Energy and Minerals Department  
P. O. Box 1980  
Hobbs, New Mexico 82240

RE: Allocation Formula  
Belcher Well No. 1  
Section 7, T-22S, R-38E  
Lea County, New Mexico

Dear Mr. Sexton:

By order of the Oil Conservation Division (R-7536, May 21, 1984, Case No. 8179) Mabee Petroleum Corp. is seeking your consultation in determination of an allocation formula for the allocation of production to each zone in the subject well.

The Belcher Well No. 1 was commingled within the wellbore during late December 1984. Production from the Blinebry, Tubb, and Drinkard formations is produced through a single production string and rod pump (see attached wellbore schematic). Below are well tests, dates and a proposed allocation formula.

Oil allocation formula determination:

<u>Zone(s)</u>	<u>Date</u>	<u>Well Test</u>
Tubb/Drinkard	4/2/84	11 BOPD + 9 BWPD + 289 MCF/D
		[Allocation to Tubb - 33% 3.6 BOPD + 3 BWPD + 95 MCF/D.
		Allocation to Drinkard - 67% 7.4 BOPD + 6 BWPD + 194 MCF/D.]
Blinebry	12/84	29 BOPD + 25 BWPD + 373 MCF/D.
Total Production		40 BOPD + 34 BWPD + 362 MCF/D

Using the above test information the proposed Allocation formula is as follows:

Blinebry	-	70% Oil + 70% Water + 20% Gas
Tubb	-	10% Oil + 10% Water + 25% Gas
Drinkard	-	20% Oil + 20% Water + 55% Gas
Total		100% Oil 100% Water 100% Gas

Based on the current Gas/Oil Ratio test during early January 1985 and the proposed allocation formula, the allocated production for the Belcher Well would be as follows:

**RECEIVED**

**JAN 14 1985**

**OCE.  
HOBBS OFFICE**

Mr. Jerry Sexton  
Energy and Minerals Department  
Allocation Formula - Belcher Well No. 1  
Page No. 2

Blinebry -  $(.7)(66)$  BOPD +  $(.7)(54)$  BWPD +  $(.2)(400)$  MCF/D.  
46 B0 + 38 BW + 80 MCF/D


Tubb -  $(.1)(66)$  BOPD +  $(.1)(54)$  BWPD +  $(.25)(400)$  MCF/D.  
7 B0 + 5 BW + 100 MCF/D

Drinkard -  $(.2)(66)$  BOPD +  $(.2)(54)$  BWPD +  $(.55)(400)$  MCF/D.  
13 B0 + 11 BW + 220 MCF/D.

Attached are forms C-102, C-103, C-104 and C-116 which were all completed to assure compliance with current Oil Conservation Division regulations and to avoid any possible delays in obtaining an allowable for this well.

Mabee Petroleum Corp. hereby requests your approval of the proposed allocation formula for the commingled Blinebry, Tubb and Drinkard zones within the wellbore of the Belcher Well No. 1. If there are any questions please call Mark Mladenka at the letterhead address.

Sincerely,

  
W. T. Thomas  
Engineering Manager

MM-sf  
Attc.

# BELCHER Well No. 1

KB - 13' AGL

9 5/8" 32.3 # H-40 CG SET @ 1296' w/ 565 SX  
(CUT CIRC)

← 243 TRS 2 3/8" CUS T-66 w/ T-66 ANCHOR @ 5500'  
SENT NIPPLE @ 7125  
MUD ANCHOR @ 7129

207 - 3/4" ROOS, 75 - 7/8" ROOS, 2" x 1 1/4" x 16' ROO PUMP.

TUBING HANGER @ 5500'  
BLINDRY PERFS 5572-5889 (29 HOLES TOTAL)

TUBB PERFS 6155-6272 (11 HOLES TOTAL)

DRINKARD PERFS 6805-7129 (22 HOLES TOTAL)

RTD @ 7152' 12/19/84

PBTD-7231'

7" 20, 23 / 26 # CIG SET @ 7297' w/ 985 SXS  
(TOC @  $\approx$  2000' BY CALCULATION)

# BEZCHER Well No. 1

KB - 13' AGL

9 5/8" 32.3 # H-40 Cgs, Set @ 1296' w/ 565 Sx  
(Cmt C. ac)

← 243 Trs 2 3/8" eue T. & T66 w/ T66 Anchor @ 5500'  
Sent Nipples @ 7125  
Mud Anchor @ 7129

207 - 3/4" rods, 75 - 7/8" rods, 2" x 1 1/4" x 16' Rod Pump.

Tubing Anchor @ 5500'

BLINDBRY PERFS 5572-5889 (29 HOLES TOTAL)

TJ33 PERFS 6155-6272 (11 HOLES TOTAL)

DRINKARD PERFS 6805-7129 (22 HOLES TOTAL)

CTD @ 7152' 12/27/84

PSTD-7231'

7" 20, 23 / 26 # Cgs Set @ 7297' w/ 985 SxS  
(TOC @ ~ 2000' By CALCULATION)