

DHC 1300 6/10/96

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980  
DISTRICT II  
811 South First St., Artesia, NM 88210 2835  
DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico  
Energy, Minerals and Natural Resources Department CONSERVATION DIVISION

Form C-107-A  
New 3-12-96

OIL CONSERVATION DIVISION RECEIVED APPROVAL PROCESS:

2040 S. Pacheco Santa Fe, New Mexico 87505-6429  
X Administrative \_\_\_ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING EXISTING WELLBORE  
X YES \_\_\_ NO

Operator Conoco Inc. Address 10 Desta Dr., Ste 100W, Midland TX 79705

Lease Lockhart A-27 Well No. 5 A-27-215-37E Unit Ltr. - Sec - Twp - Rge Lea County

Spacing Unit Lease Types: (check 1 or more)  
OGRID NO. 005073 Property Code 003039 API NO. 30-025-06803 Federal X State \_\_\_ (and/or) Fee \_\_\_

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blinebry <sup>107</sup> 06660 4000		Drinkard <sup>142</sup> 19190 6000
2. Top and Bottom of Pay Section (Perforations)	5491' - 5900'		6411' - 6495'
3. Type of production (Oil or Gas)	Gas		Oil
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 370 psi	a.	a. 470 psi
	b. (Original) 2230 psi	b.	b. 2560 psi
6. Oil Gravity (° API) or Gas BTU Content	1212 BTU		35.1 API
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production  Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data  * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: Rates:
	Date: 3/31/96 Rates: 0 bopd 186 mcf/gpd, 0 bwpd	Date: Rates:	Date: 3/30/96 Rates: 0 bopd 43 mcf/gpd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 81 %	Oil: % Gas: %	Oil: 100 % Gas: 19 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones?  Yes \_\_\_ No  
If not, have all working, overriding, and royalty interests been notified by certified mail? \_\_\_ Yes \_\_\_ No  
Have all offset operators been given written notice of the proposed downhole commingling?  Yes \_\_\_ No

11. Will cross-flow occur? \_\_\_ Yes  No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable.  Yes \_\_\_ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other?  Yes \_\_\_ No

13. Will the value of production be decreased by commingling? \_\_\_ Yes  No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application.  Yes \_\_\_ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) \_\_\_\_\_

16. ATTACHMENTS:
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
  - \* Production curve for each zone for at least one year. (If not available, attach explanation.)
  - \* For zones with no production history, estimated production rates and supporting data.
  - \* Data to support allocation method or formula.
  - \* Notification list of all offset operators.
  - \* Notification list of working, overriding, and royalty interests for uncommon interest cases.
  - \* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE Jerry W. Hoover TITLE Sr. Conservation Coordinator DATE 5/17/96  
TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-122  
Supersedes O-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

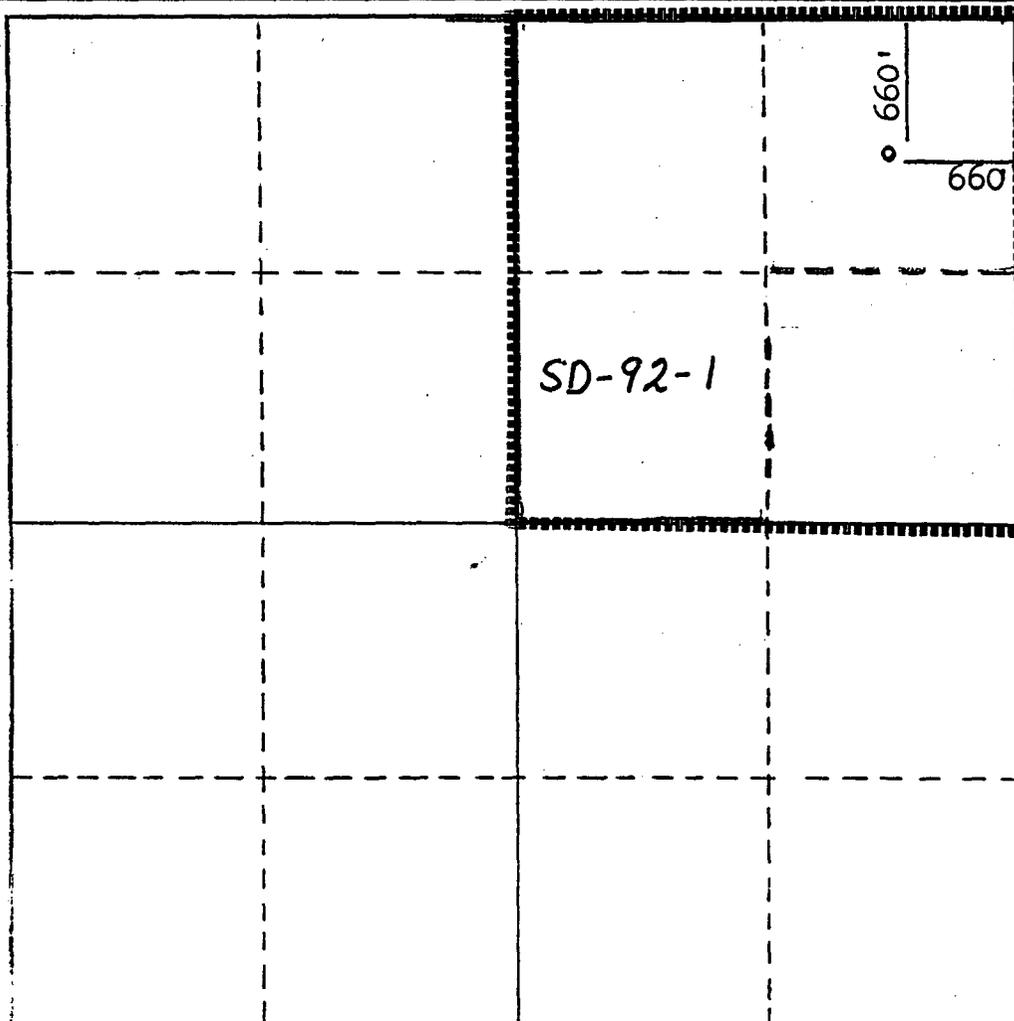
Operator <b>Continental Oil Company</b>			Lease <b>Lockhart A-27</b>		Well No. <b>5</b>
Unit Letter <b>A</b>	Section <b>27</b>	Township <b>21-S</b>	Range <b>37-E</b>	County <b>Lea</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line					
Ground Level Elev: <b>3400</b>	Producing Formation <b>Drinkard and Blinebry Gas</b>		Pool <b>Blinebry / Drinkard</b>		Dedicated Acreage: <b>160</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes     No    If answer is "yes," type of consolidation NMFU

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

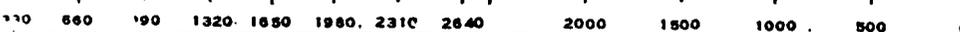
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Name \_\_\_\_\_  
 Position **Staff Supervisor**  
 Company **Continental Oil Company**  
 Date **November 17, 1965**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.*

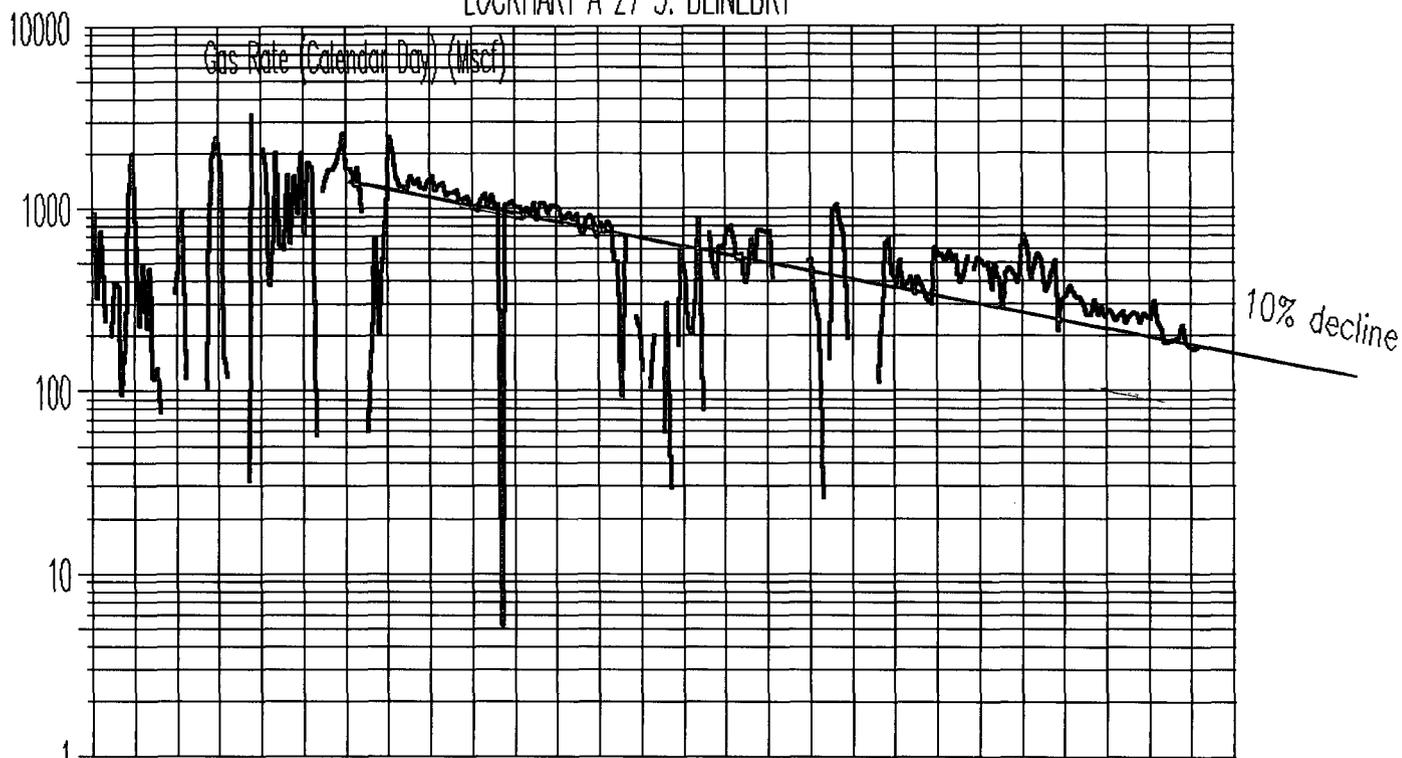
Date Surveyed \_\_\_\_\_  
 Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_

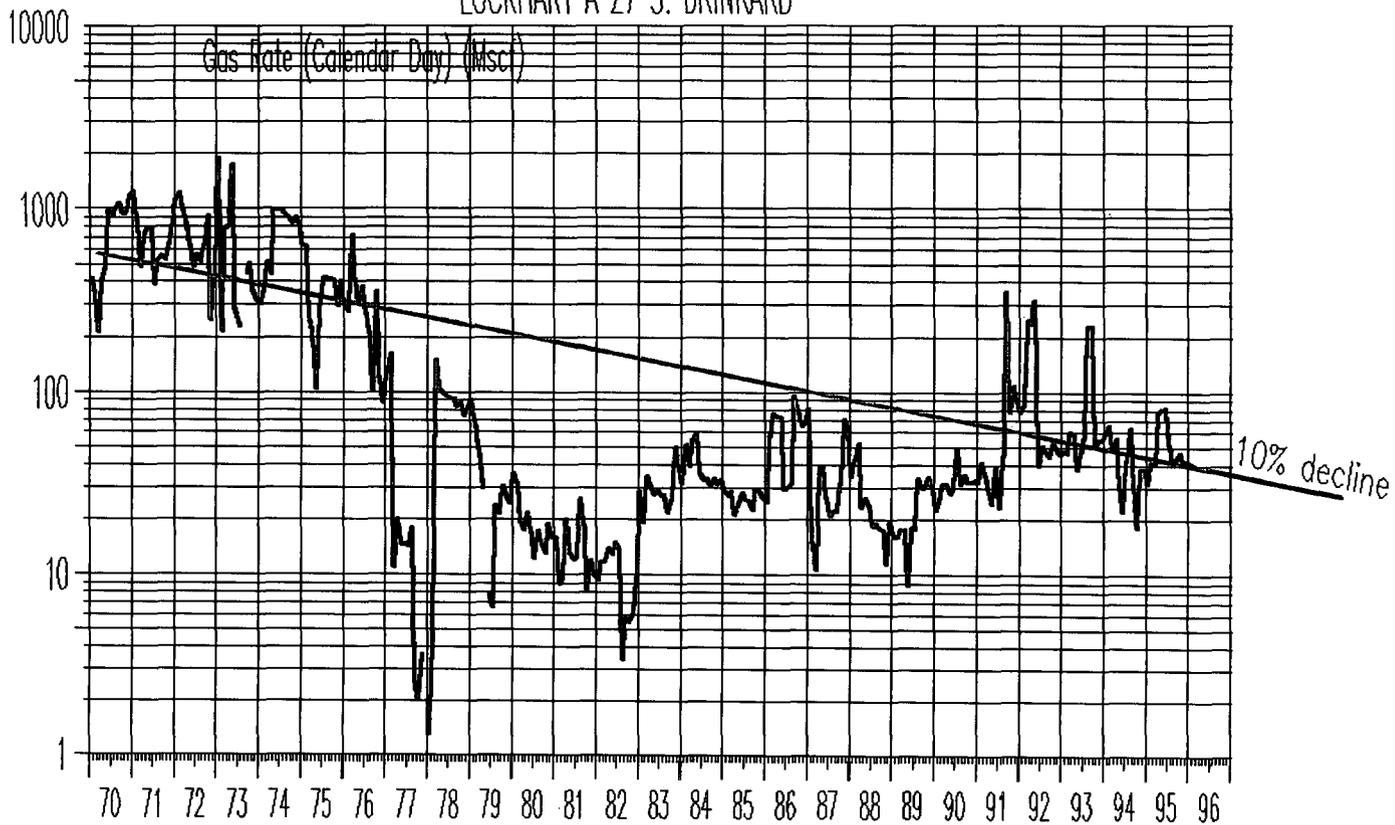


# Lockhart A-27 5 Gas Production

## LOCKHART A 27 5: BLINEBRY

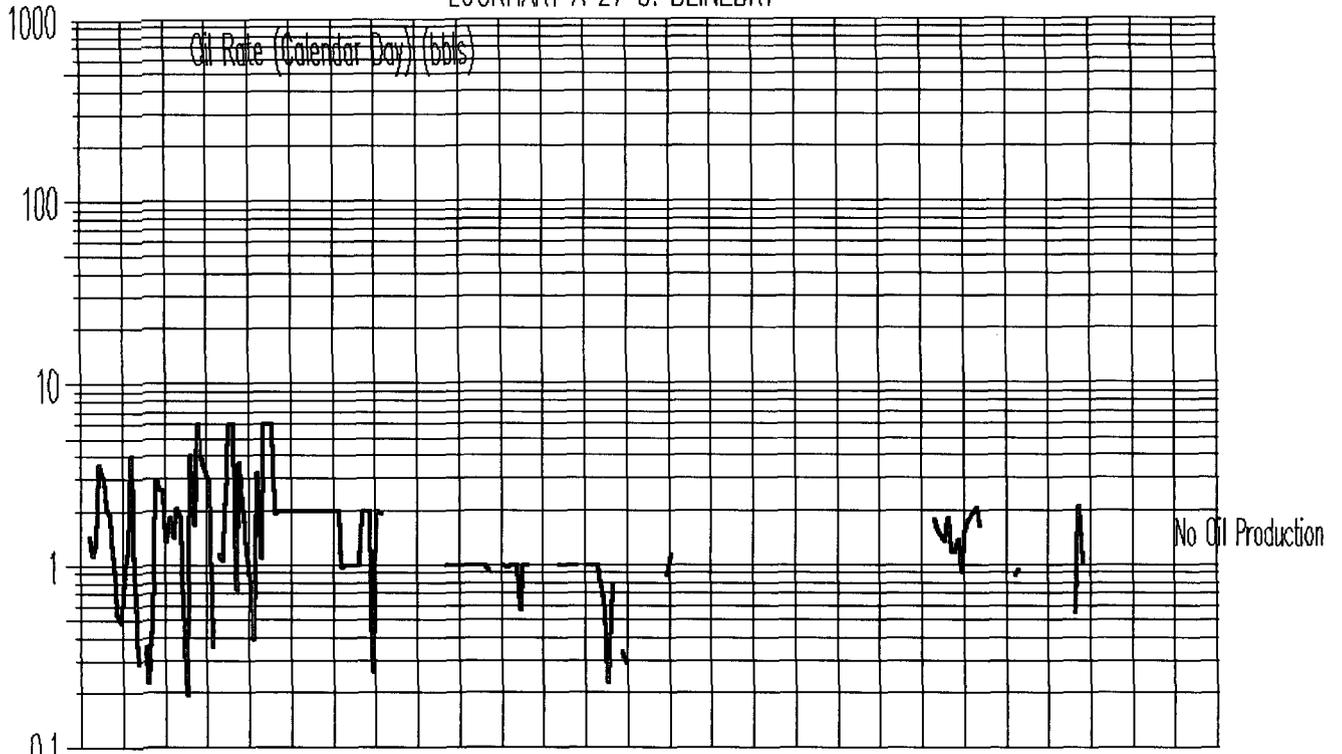


## LOCKHART A 27 5: DRINKARD

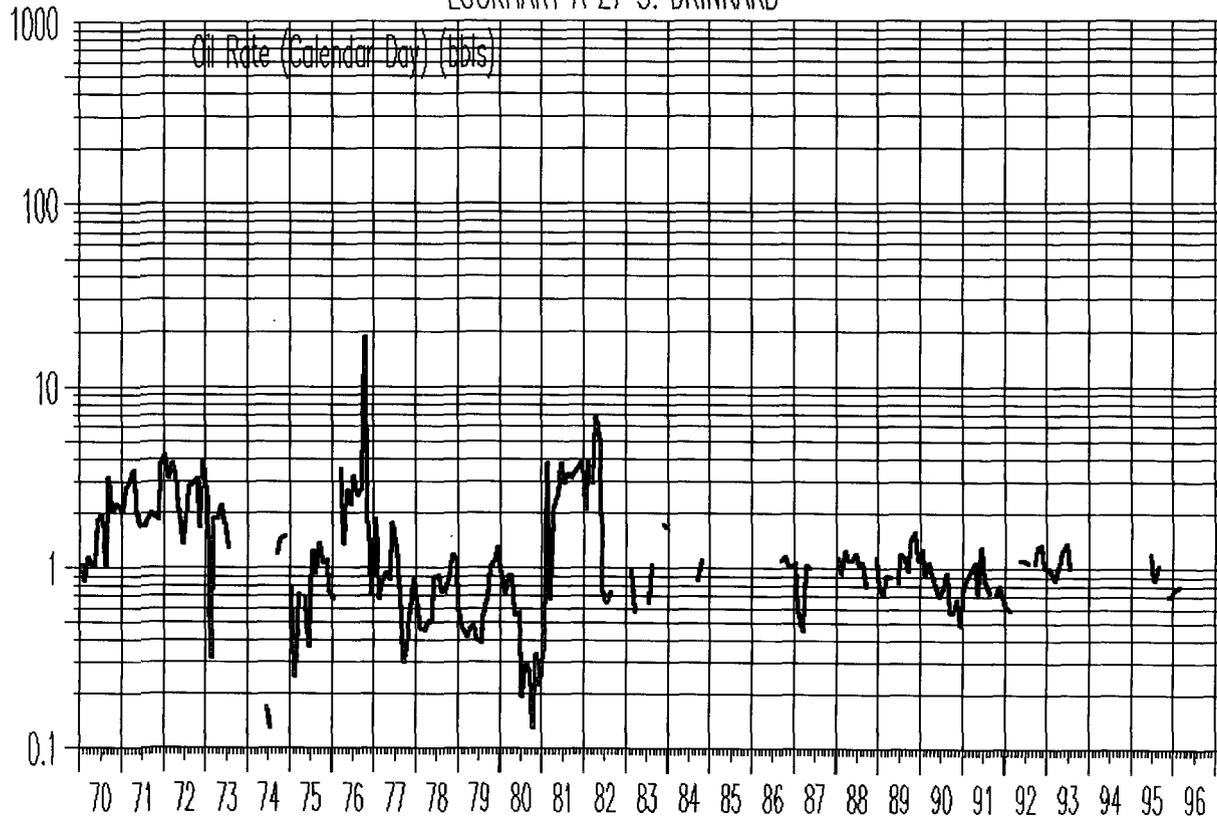


# Lockhart A-27 5 Oil Production

## LOCKHART A 27 5: BLINEBRY



## LOCKHART A 27 5: DRINKARD



**OFFSET OPERATORS**

**Lockhart A-27 No. 5**

**Chevron USA, Inc.  
P. O. Box 1150  
Midland TX 79701**

**Marathon Oil Company  
P.O. Box 552  
Midland TX 79702**

**Exxon Corporation  
P.O. Box 1600  
Midland TX 79702**

**Shell Western E&P Inc.  
P.O. Box 831  
Houston TX 77001**

**John H. Hendrix Corp.  
223 W. Wall, Suite 525  
Midland TX 79701**

**Texaco Exploration & Prod.  
P.O. Box 3109  
Midland TX 79701**