



Amoco Production Company (USA)

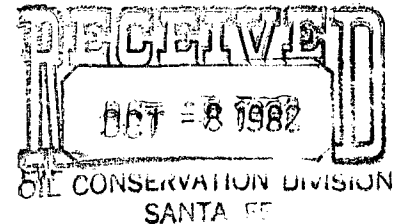
Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

October 4, 1982

File: SJ0-986.5-1333-WF

Re: Application to Wellbore Commingle
McQuatters Well No. 5
Blinebry and Drinkard Oil Pools
Lea County, New Mexico



State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Approval is hereby requested to downhole commingle the McQuatters Well No. 5 in accordance with NMOCD Rule 303-C.

This well is located 660' FNL x 330' FWL, Section 12, T-21-S, R-36-E, Lea County, New Mexico and is dually completed in the Hardy Blinebry (oil) and Hardy Drinkard (oil) zones. Attached is a map showing the subject well and the offset operators.

The Blinebry is currently producing on artificial lift and the Drinkard is shut in due to downhole mechanical problems. The downhole commingling will allow for more efficient mechanical operations.

In support of our request, we submit the following facts:

1. The latest 24 hour productivity tests are as follows:

	Date	BOPD	BWPD	MCFPD	Perforations
Blinebry	9-3-82	11	33	13	5750'-6190'
Drinkard*	5-22-82	3	33	3	6502'-6714'

* Last test recorded - Drinkard is currently shut in due to downhole mechanical problems.

2. Neither zone produces more water than the combined oil limit as determined in Rule 303, paragraph C, Section 12.
3. The fluids produced from both pools have shown no scale, paraffin or emulsion problems; the commingled fluids will be compatible.

October 4, 1982
File: SJ0-986.5-1333-WF
Page Two

4. The crude oils from both pools are commingled into a common tank battery and sold in mixed streams so no depreciation of value will occur from downhole commingling.
5. Both zones to be commingled have common ownership.
6. Estimated bottom hole pressures are:
 Blinebry 1000 psi at 5,900'
 Drinkard 1000 psi at 6,600'
7. Commingling will not jeopardize the efficiency of future secondary operations in either zone.
8. Recommended oil and gas allotments are as follows:

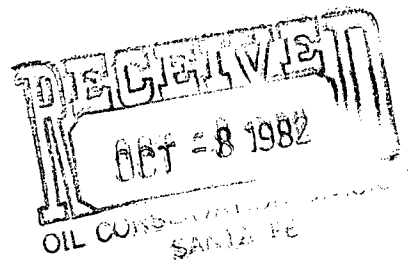
	Drinkard	Blinebry
Oil	23%	77%
Gas	27%	73%
9. All offset operators have been notified by registered mail.
10. Other supporting data attached are production decline curves and gas oil ratio tests for both zones.

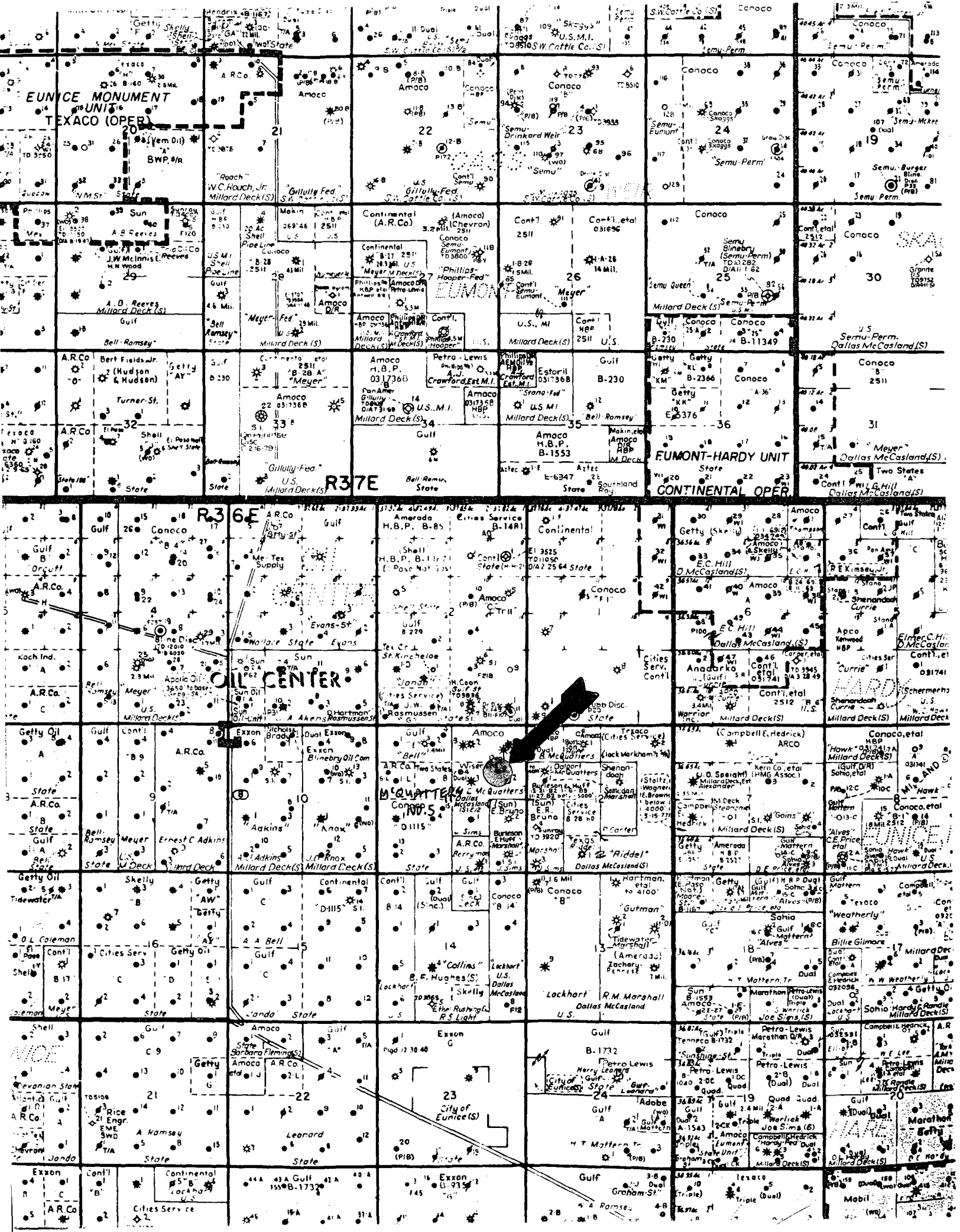
If additional information is required, contact Mark Randolph at 392-3026.

Yours very truly,

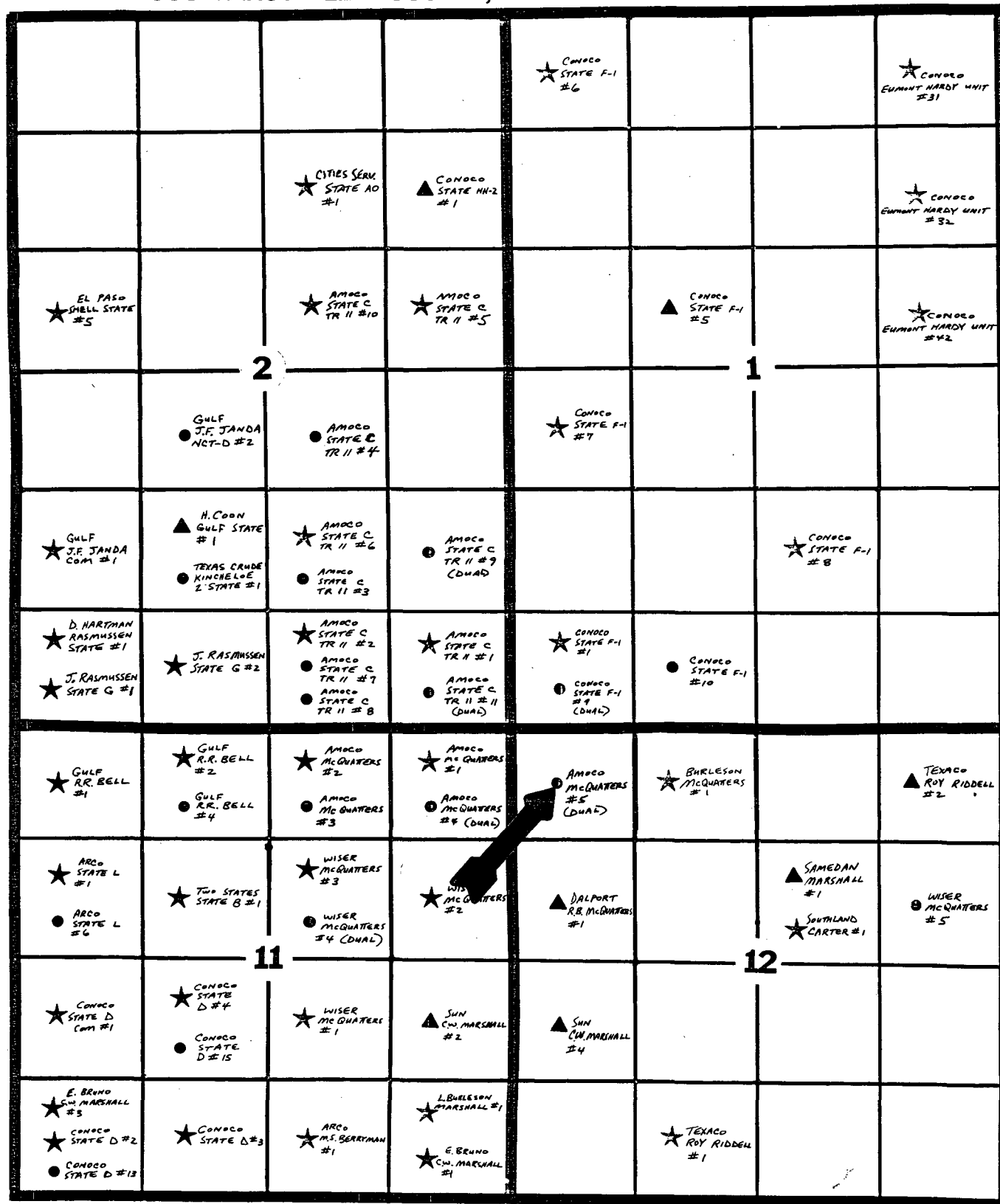
S. J. O'Kerson *JKZ*

Attachments





**AMOCO OPERATED Mc QUATTERS (100%) & STATE C TRACT 11 (100%)
IN SOUTHEAST LEA COUNTY, NEW MEXICO (T21S) (R36E)**



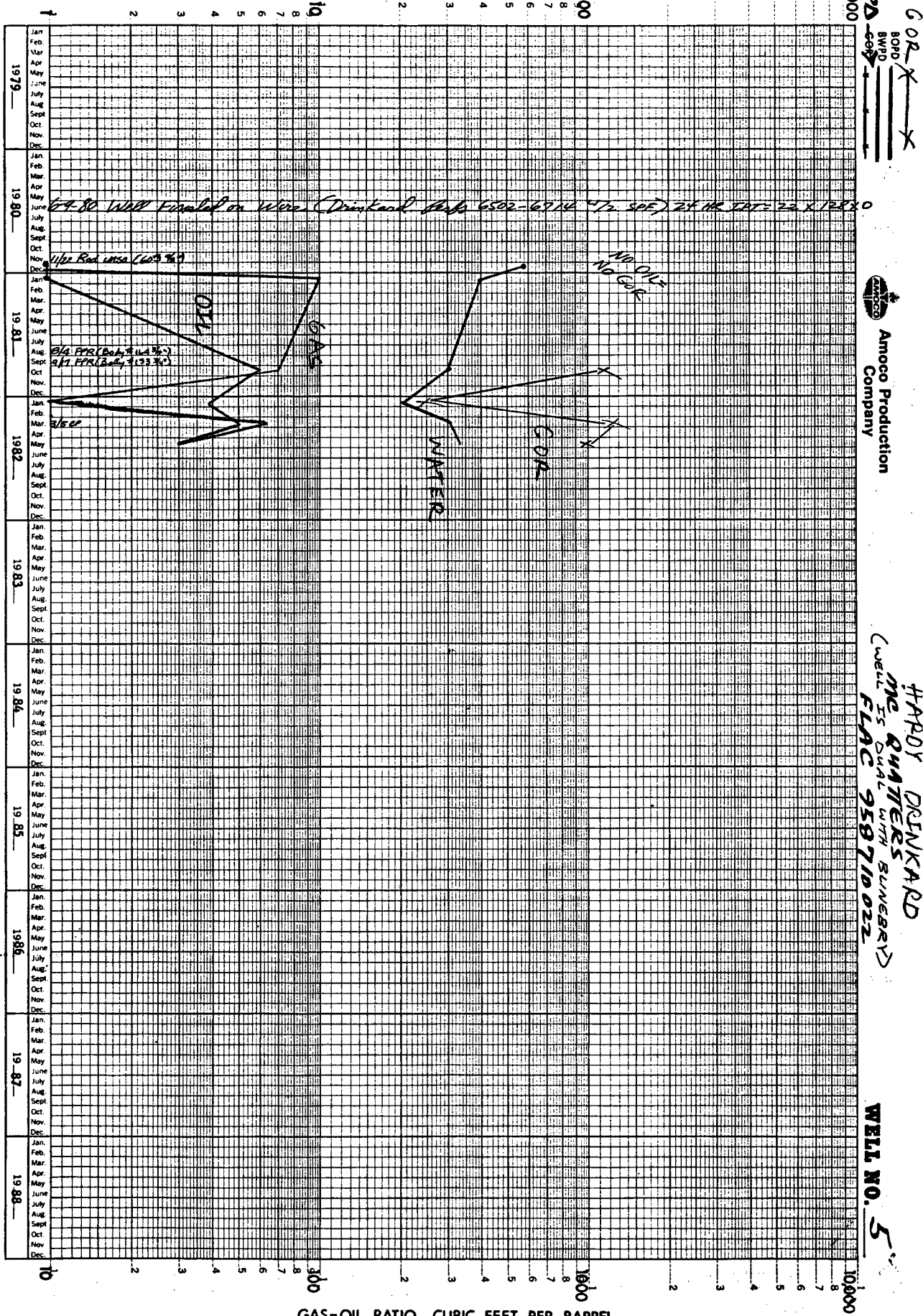
LEGEND:

★ QUEEN
★ GSA
★ SAN ANDRES

● GLORIETA
● BLINEBRY
● TUBB

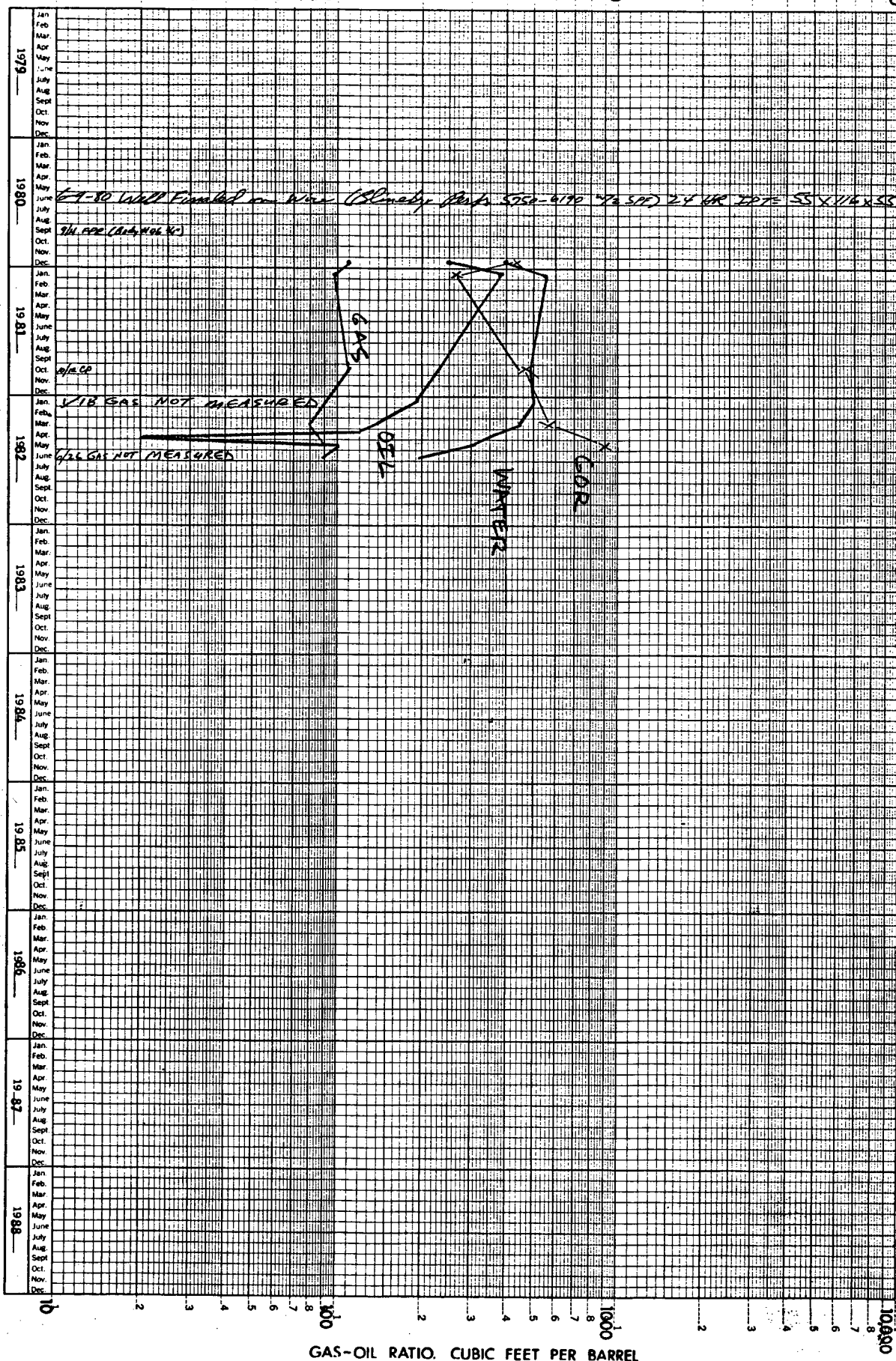
▽ DRINKARD
▲ P X A

MCEGPD AND
BARRELS OF FLUID PER DAY



GAS-OIL RATIO. CUBIC FEET PER BARREL

**MCEGPD AND
BARRELS OF FLUID PER DAY**



MCEGPD

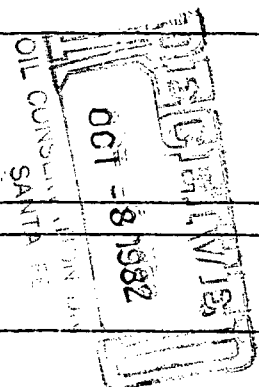
Amoco Production Company

**THUR BY BUNKER
MC QUATERS
(WELL IS DUAL WITH DRINKER)
FINE 958710014**

WELL NO. 5

GAS-OIL RATIO TESTS

Operator		Pool		County										
Amoco Production Company		Hardy-Blinebry		Lea										
Address		TYPE OF TEST - (X)		Schedul		Consolidation		Special						
P. O. Box 68, Hobbs, New Mexico 88240														
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TEG. PRESS.	DAILY ALLOW. ABL	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BSL
		U	S	T	R						WATER BLS.	GRAV. OIL BLS.	GAS M.C.F.	
McQuatters	5	D	12	21	36	9-3	P		19	24	33	11	13	1182



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.

0+2-NMOCOD, H 1-File 533.11 1-LRB

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

Ruth Brunson
(Signature)
Administrative Analyst

GAS-OIL RATIO TESTS

Operator		Pool		Hardy Drinkard		Co	
Address				Amoco Production Company			
P. O. Box 68, Hobbs, NM 88240				TYPE OF TEST - (X)			
LEASE NAME				DATE OF TEST		CHOKE SIZE	
WELL NO.				LOCATION		TBG. PRESS.	
U				S		DAILY ALLOW-ABLE	
T				R		LENGTH OF TEST HOURS	
R				DATE OF TEST		WATER BBL.	
McQuatters				3		GRAV. OIL BBL.	
McQuatters				4		GAS M.C.F.	
McQuatters				5		GAS - OIL RATIO CU.FT/BBL	
State C Tract 11				9		TSTM	
State C Tract 11				11		6000	
State C Tract 11				X		5000	

Request allowable increase for State C Tract 11 No. 9

OCT 8 1981

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 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 351 and appropriate pool rules.

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

Assist. Admin. Analyst

10-8-81

0+2-NMOCOD, H 1-Ffile 533.11 1-LBG