



DHC -
Due - 8/25/75

SKELLY OIL COMPANY

July 28, 1975

DOMESTIC EXPL. & PROD. DEPARTMENT

MIDLAND E & P DISTRICT

F. L. FRANZ, DISTRICT PRODUCTION MANAGER

M. J. EKMAN, DISTRICT ENGINEER

C. F. BOSECKER, LEAD RESERVOIR ENGINEER

F. J. PETRO, LEAD PRODUCTION ENGINEER

ADDRESS REPLY TO:
P. O. BOX 1351
MIDLAND, TEXAS 79701

File: State "L" Wells No. 3 & 4
Lease No. 16220
Justis Blinebry and Justis Tubb Drinkard
Lea County, New Mexico

Re: Application for Administrative Approval
for Exception to Rule 303-A

Oil Conservation Commission (2)
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Oil Conservation Commission (1)
State of New Mexico
P. O. Box 1980
Hobbs, New Mexico 88240

Attention: Secretary Director

Gentlemen:

Skelly Oil Company respectfully requests administrative approval for exception to Rule 303-A of the commission rules and regulations for the purpose of down-hole commingling of the Justis Blinebry and Justis Tubb Drinkard zones in the State "L" Wells No. 3 & 4. The State "L" No. 3 is located 1656' FNL & 2310' FWL of Section 2, T-25-S, R-37-E, NMPM. The State "L" No. 4 is located 1655.4' FNL & 990' FWL of Section 2, T-25-S, R-37-E, NMPM, Lea County, New Mexico.

The Commission authorized the dual completion of State "L" No. 3 & 4 under orders No. MC-1252 and MC-1262, respectively.

Offset operators have been notified by copy of this application. All necessary exhibits and required information for this application are attached.

Very truly yours,


Leland Franz

JLM/slw

Attachs.

cc: Offset Operators

OFFSET OPERATORS
STATE "L" LEASE

Getty Oil Company
P. O. Box 249
Hobbs, New Mexico 88240

Atlantic Richfield Company
P. O. Box 1710
Hobbs, New Mexico 88240

Shell Oil Company
P. O. Box 1950
Hobbs, New Mexico 88240

W. H. Aikman
1204 Vaughn
Midland, Texas

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Texaco Inc.
P. O. Box 728
Hobbs, New Mexico 88240

G. L. Buckles Company
P. O. Box 145
Monahans, Texas 79756

REQUIREMENTS FOR DOWN-HOLE
COMMINGLING APPLICATION

1. Current 24 hour productivity test for both wells on commission Form C-116 are attached. The Justis Tubb Drinkard zone in Well No. 3 is temporarily abandoned.
2. Production decline curves and a completion history for each well are attached. It is recommended that the production for each zone from each well be allocated as follows:

State "L" Well No. 3

Justis Blinebry:	Oil 77%	Gas 56%
Justis Tubb Drinkard:	Oil 23%	Gas 44%

State "L" Well No. 4

Justis Blinebry:	Oil 68%	Gas 50%
Justis Tubb Drinkard:	Oil 32%	Gas 50%

3. The bottom hole pressure for the Justis Blinebry and Justis Tubb Drinkard zones are estimated to be 500 psi (-2271) and 600 psi (-2871) respectively.
4. Results of water analyses for both zones are attached.
5. The gravity of the individual oil samples from the Justis Blinebry and Justis Tubb Drinkard zones are both 37 API, therefore, the value of the commingled production should increase as a result of resuming production from the Tubb Drinkard zone in both wells.

COMPLETION HISTORY
STATE "L" WELL NO. 3

The subject well was drilled and completed October 14, 1962, as a dual oil producer in the Justis Blinebry and Justis Tubb Drinkard zones. The Justis Blinebry zone potentialled flowing 120 BOPD, 0 BWPD, 255 MCFPD after treatment with 1000 mud acid and fraced with 15,000 gallons, 15,000# sand with 150 ball sealers. The producing interval treated was 5455'-5653'.

The two zones are separated by a Baker Model "D" Production Packer set at 6010'.

The Justis Tubb Drinkard zone in the State "L" No. 3 was potentialled in October, 1962, for 95 BOPD, 0 BWPD, 62 MCFPD, after treatment with 1000 mud acid and fraced with 15,000 gallons, 15,000# sand with 150 ball sealers. Request for authority to shut down one zone of multiple completed well filed 9-25-73, and lower zone (Justis Tubb Drinkard) was temporarily abandoned.

COMPLETION HISTORY
STATE "L" WELL NO. 4

The subject well was drilled and completed December 6, 1962, as a dual oil producer in the Justis Blinebry and Justis Tubb Drinkard zones. The Blinebry zone was potentialled at 78 BO (14 hrs.), 0 BWPD after treatment with 1000 gallons acid, fraced with 15,000 gallons oil and 15000# sand. The producing interval treated was 5368'-5723'.

The two zones are separated by a Baker Model "D" Production Packer set at 6060'.

The Justis Tubb Drinkard zone in the State "L" Well No. 4 was potentialled for 110 BO (14 hrs.), 0 BWPD after treatment with 1000 gallons acid, fraced with 15,000 ballons oil and 15,000# sand.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator **Skelly Oil Company** Pool **Justis Blinbery** County **Lea**

Address **P. O. Box 1351, Midland, Texas 79701**

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	TYPE OF TEST - (X)	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU. FT./1
		U	S	T							R	WATER BLS.	GRAV. OIL	OIL BLS.	
State "L"	3	F	2	25	37	7-22-75	P	-	38	24	1	40	32	73	2281
	4	E	2	25	37	7-24-75	P	-	30	24	4	40	27	64	2370

Scheduled Special

No well shall be produced on allowable gas-oil ratio greater than the amount of oil produced on the effective date.
During gas-oil ratio tests, each well shall be produced at a rate not exceeding the gas-oil ratio for the pool in which it 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 Commission.
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.

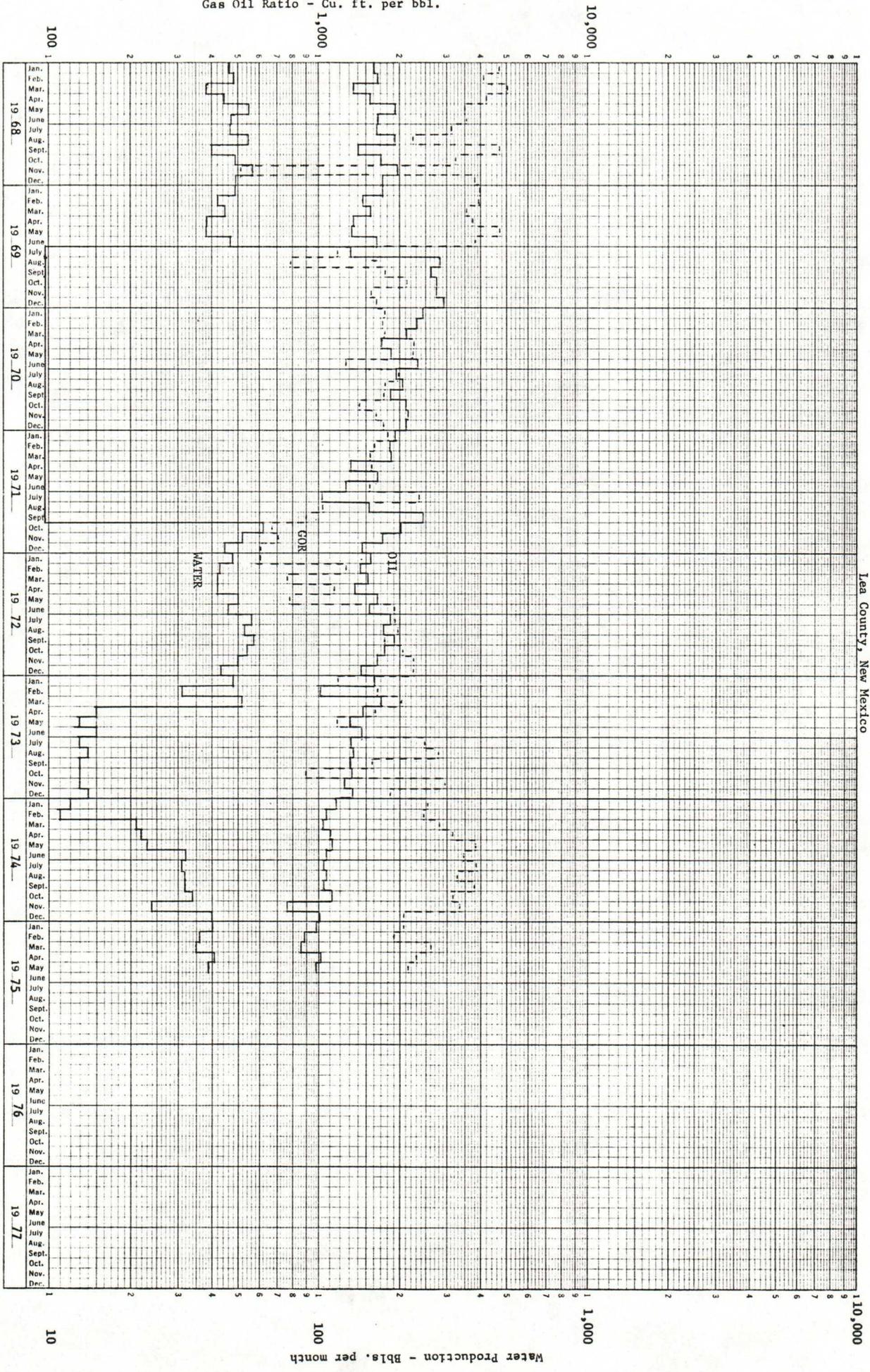
Report casing pressure in lieu of tubing pressure for any well producing through casing.
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

James W. Jerrel
James W. Jerrel
(Signature)
Marbury
Eng. Tech.

7-29-75
(Date)

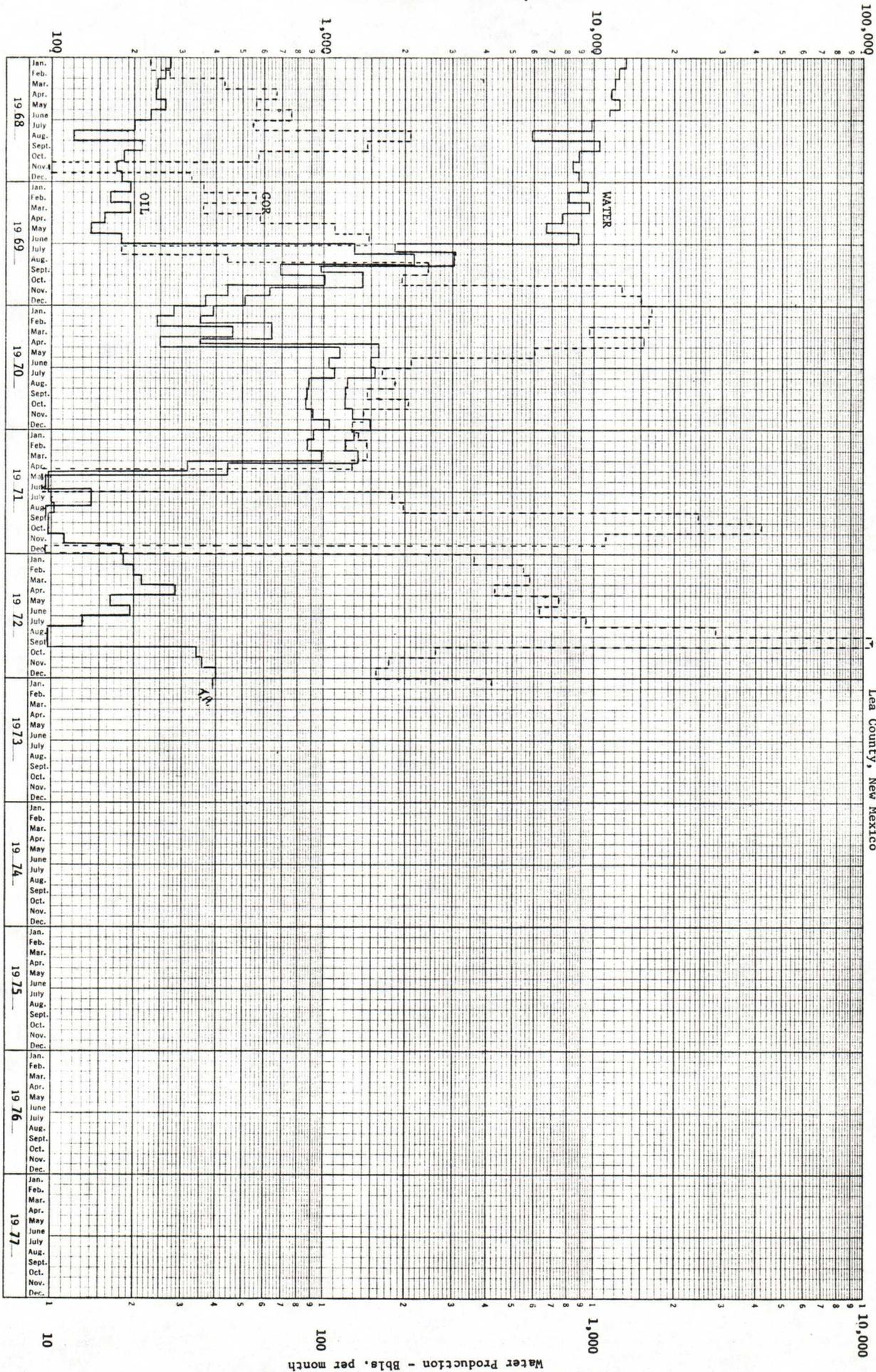
Oil Production - Bbls. per month
Gas Oil Ratio - Cu. ft. per bbl.



Skelly Oil Company
State "L" Well No. 3
Justis Blinbery
Lea County, New Mexico

Water Production - Bbls. per month

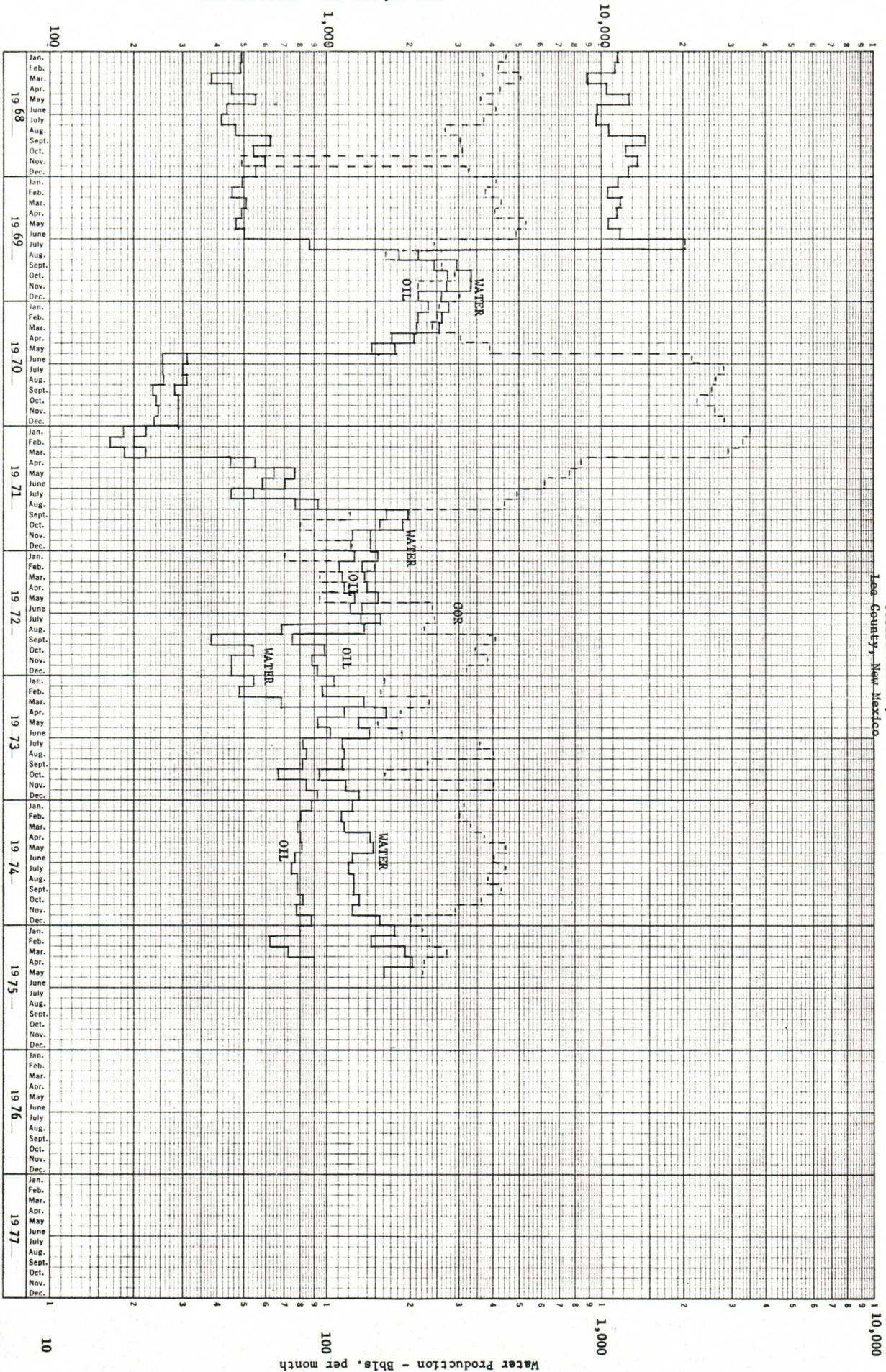
Oil Production - Bbls. per month
 Gas Oil Ratio - Cu. ft. per bbl.



Skelly Oil Company
 State "H" Well No. 3
 Justis Tubb Drinkard
 Lea County, New Mexico

Water Production - Bbls. per month

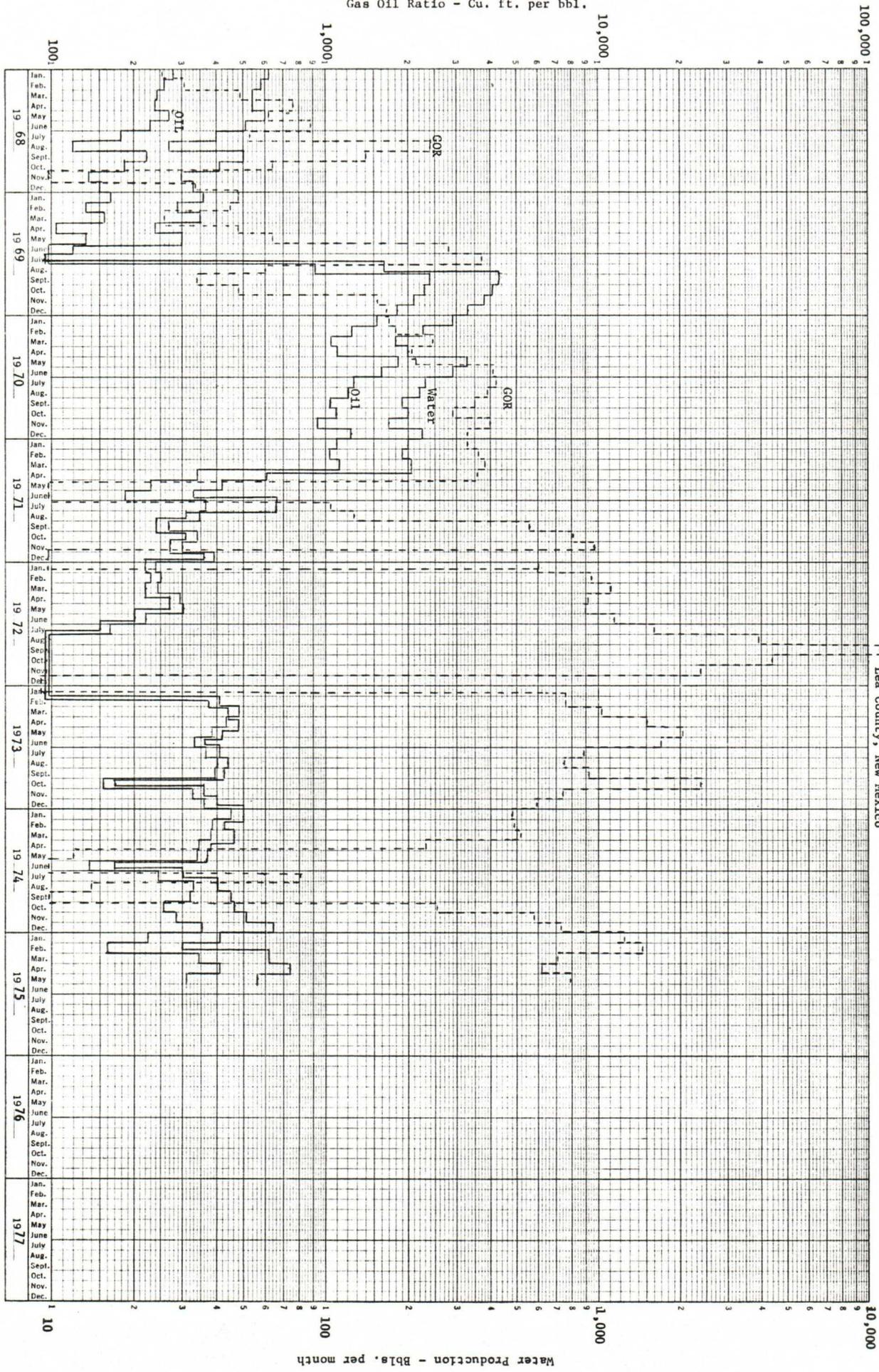
Oil Production - Bbls. per month
 Gas Oil Ratio - Cu. ft. per bbl.



Skelly Oil Company
 State "L" Well No. 4
 Justis Blinberry
 Lee County, New Mexico

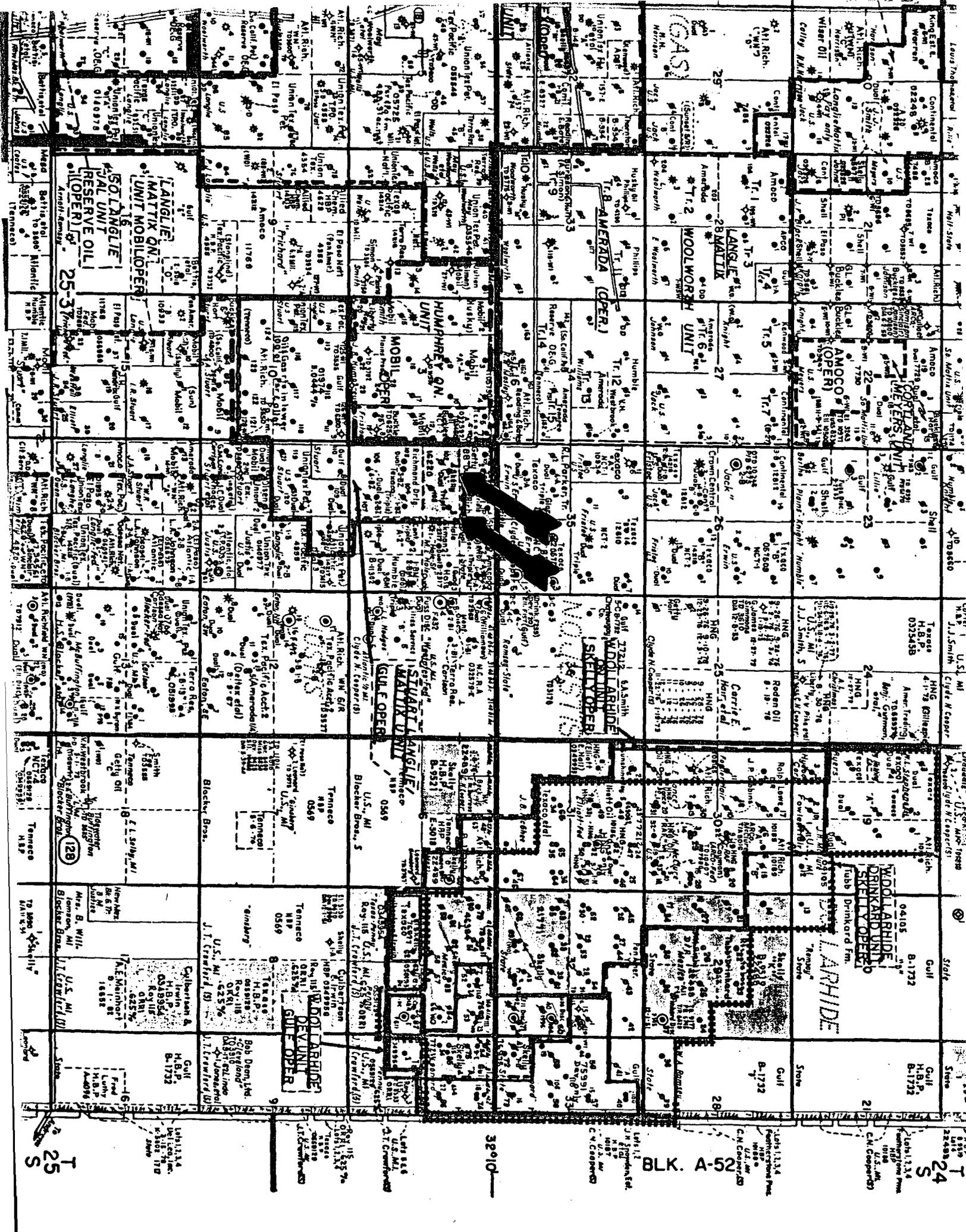
Water Production - Bbls. per month

Oil Production - Bbls. per month
 Gas Oil Ratio - Cu. ft. per bbl.



Skelly Oil Company
 State "U" Well No. 4
 Justis Tubb Drinkard
 Lea County, New Mexico

Water Production - Bbls. per month



BLK. A-52

T 25

T 24

3610

WOLARHIDE

WOLARHIDE DRINKARD UNIT SKELLY OIL

WOLARHIDE SKELLY OIL

WOLARHIDE SKELLY OIL

WOLARHIDE SKELLY OIL

WOLARHIDE SKELLY OIL

AMOCO (OPER)

WOLWORTH UNIT

AMERADA (OPER)

HUMPHREY UNIT

MOBIL OIL

LANGLETT UNIT MOBLOPER

LANGLETT UNIT MOBLOPER

LANGLETT UNIT MOBLOPER

AMOCO

WOLWORTH UNIT

AMERADA (OPER)

HUMPHREY UNIT

MOBIL OIL

LANGLETT UNIT MOBLOPER

LANGLETT UNIT MOBLOPER

LANGLETT UNIT MOBLOPER

AMOCO

WOLWORTH UNIT

AMERADA (OPER)

HUMPHREY UNIT

MOBIL OIL

LANGLETT UNIT MOBLOPER

LANGLETT UNIT MOBLOPER

LANGLETT UNIT MOBLOPER

04105 B-1732 Gulf

04105 B-1732 Gulf