



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: Las Cruces "C" Well No. 1
Lease No. 71247
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 Las Cruces "C" Well No. 1. The Las Cruces "C" No. 1 is located 1980' FNL & 1650' FEL of Section 23, T-25-S, R-37-E, NMPM.

The commission authorized the dual completion of Las Cruces "C" No. 1 under Order No. DC-1060.

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

Texas Pacific Oil Company
P. O. Box 1255
Eunice, New Mexico 88231

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

REQUIREMENTS FOR DOWN-HOLE
COMMINGLING APPLICATION

1. Current 24 hour productivity test for well on commission Form C-116 are attached.
2. Production decline curve and a completion history for well is attached. It is recommended that the production for the zones be allocated as follows.

Las Cruces "C" Well No. 1

Justis Blinebry:	Oil 86%	Gas 90%
Justis Tubb Drinkard:	Oil 14%	Gas 10%

3. The bottom hole pressure for the Justis Blinebry and Justis Tubb Drinkard zones are estimated to be 500 psi (-2297) and 600 psi (-2783) 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^o API, therefore, the value of the commingled production should increase as a result of resuming production from the Tubb Drinkard zone.

COMPLETION HISTORY
LAS CRUCES "C" WELL NO. 1

The subject well was drilled and completed April 20, 1961, as a dual oil producer in the Justis Blinebry and Justis Tubb Drinkard zones. The Justis Blinebry zone potentialled flowing 395 BOPD, 44 BWPD after fraced with 12,000 gallons refined oil and 6,000# sand. The producing interval treated was 5345'-5452'.

The two zones are separated by a Baker Model "D" Production Packer at 5750'.

The Justis Tubb Drinkard zone in the Las Cruces "C" No. 1 was potentialled in April, 1961, for 355 BOPD, 0 BWPD after treatment with 500 gallons mud acid. The producing interval treated was 5890'-5912'. Request for authority to shut down one zone of multiple completed well filed 6-26-69, and lower zone (Justis Tubb Drinkard) was temporarily abandoned.

P. O. BOX 1468
MONAHANS, TEXAS 79756
PHONE 843-3234 OR 563-1040

406 W. ILLINOIS
MIDLAND, TEXAS 79701
PHONE 683-4521

TO: Mr. Jerrel Marburger
P. O. Box 1351 Midland, Texas

LABORATORY NO. 6-14-75
SAMPLE RECEIVED 6-17-75
RESULTS REPORTED

COMPANY Skelly Oil Company LEASE Las Cruces "C"
FIELD OR POOL Justice (Blinbry)
SECTION BLOCK SURVEY COUNTY Lea STATE New Mexico

SOURCE OF SAMPLE AND DATE TAKEN:

SAMPLE AND DATE TAKEN:
Produced (Tubb) water - taken from Las Cruces "C" 6-14-75

NO. 1 Produced (Blinebry) water - taken from Las Cruces "C" 6-14-75

NO. 2

NO. 3

NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES

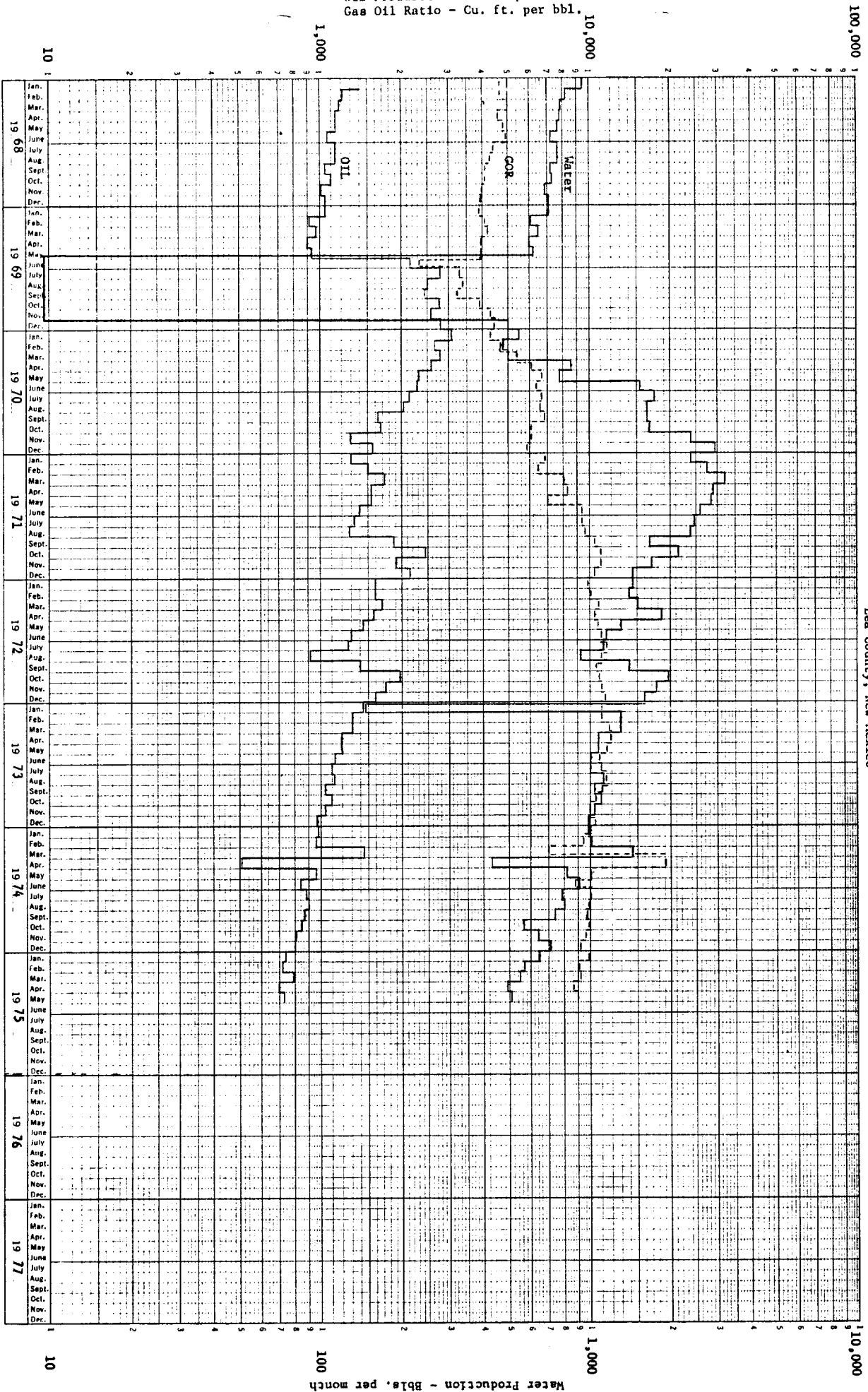
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.1005	1.0789		
pH When Sampled				
pH When Received	7.9	7.85		
Bicarbonate as HCO ₃	227	549		
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	24,700	12,600		
Calcium as Ca	6,800	3,720		
Magnesium as Mg	1,871	802		
Sodium and/or Potassium	51,265	41,816		
Sulfate as SO ₄	1,708	2,306		
Chloride as Cl	95,165	71,019		
Iron as Fe	26.0	7.0		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	157,036	120,712		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0	1.0		
Resistivity, ohms/m at 77° F.	0.068	0.030		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

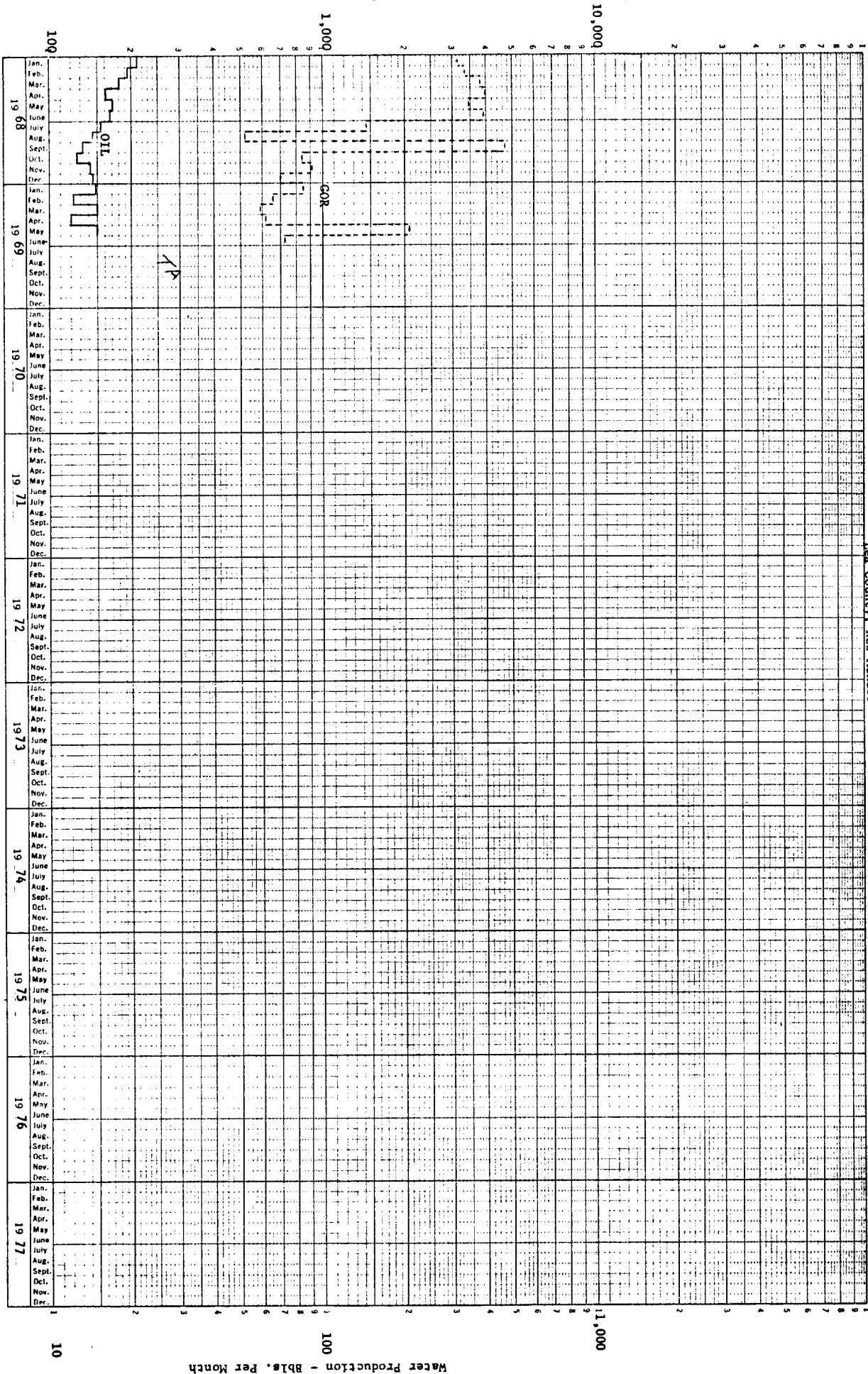
Additional Determinations And Remarks ~~A careful examination of the above analyses reveals no evidence which would indicate any incompatibility problem between these waters for mixing them or producing them from the same well.~~

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

Skelly Oil Company
Las Cruces "C" Well No. 1
Justis Blinney
Lea County, New Mexico



Oil Production - Bbls. Per Month
Gas Oil - 10-Cu. ft. per bbl.



Skelly Oil Company
Las Cruces "C" Well No. 1
Justis Tubb Drinkard
Lea County, New Mexico

Water Production - Bbls. Per Month

