



P. O. BOX 2267, MIDLAND, TEXAS 79701 (915) 683-4871

November 19, 1975

Mr. J.D. Ramey, Secretary-Director
Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Exception to Rule 303-A-Downhole Commingling
Dist. 1 - Dollarhide Fields - Lea County.

Dear Mr. Ramey:

We respectfully request an exception to Rule 303-A to Downhole Commingle in the Dollarhide Ellenburger and Dollarhide Fusselman Fields on our Elliott Federal 31-1 lease.

Enclosed is the information requested to support our request, as outlined in Rules and Regulation of the Oil Conservation Commission - revised 10/22/74.

Your prompt consideration will be appreciated. If any additional information is needed please advise.

Best regards,

A handwritten signature in cursive script, appearing to read "Tom Pickering".

Tom Pickering

cc: Oil Conservation Commission
Mr. Jerry Sexton, Supervisor
P.O. Box 1980
Hobbs, New Mexico 88240

TP/be



P. O. BOX 2267, MIDLAND, TEXAS 79701 (915) 683-4871

Rule 303-A Exception Request

- a) HNG Oil Company
Box 2267
Midland, Texas 79701 Pho. 915/683-4871
- b) Elliot Federal 31 Lease - Well #1
Lea County, Unit A, Section 31, T24S, R38E, NMPM.
- c) Dollarhide Ellenburger and Dollarhide Fusselman
Authority to Dual Complete-Order #R-4282, Case
4678 dated Mar. 17, 1972.
- d) C-116 Test - See Exhibit A
- e) Production decline curves - See Exhibits B
- f) Both zones are on pump - the estimated BHP:
Ellenburger Zone - 1171#
Fusselman Zone - 888#
- g) Water analysis of both zones show that the two fluids
are compatible.
- h) The gravity of the Fusselman Zone is 40.4°; The
gravity of the Ellenburger is 42.4°. It is
estimated that the Ellenburger Zone will produce 90%
of the production - then the combined gravity will
be 42.2°. The purchaser pays the same for both zones
and there is no conflict with the FEA controls.
- i) Notice is being sent to the United States Geological
Survey and to Skelly Oil Company of our intent.
Skelly Oil Company's nearest production in these two
zones are approximately one mile from the subject well.

Proposed Action

At the present this well has two strings of 2-1/16" tubing - both on pump. See Exhibit C. We propose to replace these two strings with one string of 2-3/8" and one pumping unit. Pumping at these depths through 2-1/16" has not proven to be very satisfactory or efficient.

We have examined the criteria for downhole commingling as outlined in Rule 303-C and have met all of the requirements. We feel this action will lead to the ultimate recovery of the oil in these zones.

EXHIBIT A

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County											
HNG OIL CO.		DOLLARHIDE		FUSSEMAN											
Address		TYPE OF TEST - (X)		Completion ☐ Special ☒											
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBLs.	GRAV. OIL		OIL BBLs.	GAS M.C.F.
ELLIOTT FEDERAL 31	1	A	31	24	38	10/16/75	P Open	—	17	24	0	40.4	4	TSTM	0

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 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.

Don Ludwig
Don Ludwig (Signature)
Hahn. *Supervisor*
Hahn. (Title)
11/18/75 (Date)

EXHIBIT A

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116

Revised 1-1-65

Lease Name		Well No.	Location			Date of Test	Choke Size	Tbg. Press.	Daily Allowable	Length of Test Hours	Prod. During Test			Special		
Lease Name		Well No.	U	S	T	R					Water Bbls.	Grav. Oil	Oil Bbls.	Gas M.C.F.	Gas - Oil Ratio Cu.Ft./Bbl.	
HNG OIL CO.			DOLLAR HIDE													
P.O. Box 2267			MIDLAND, TEX. 79701													
ELLIOTT FEDERAL 31		1	A	31	24	38			39	24	1	42.4	35	14.7		420

No well will be assigned an allowable greater than the amount of oil produced on the official test.

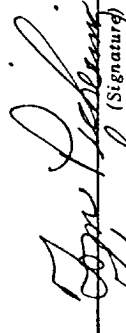
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the 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.



(Signature)



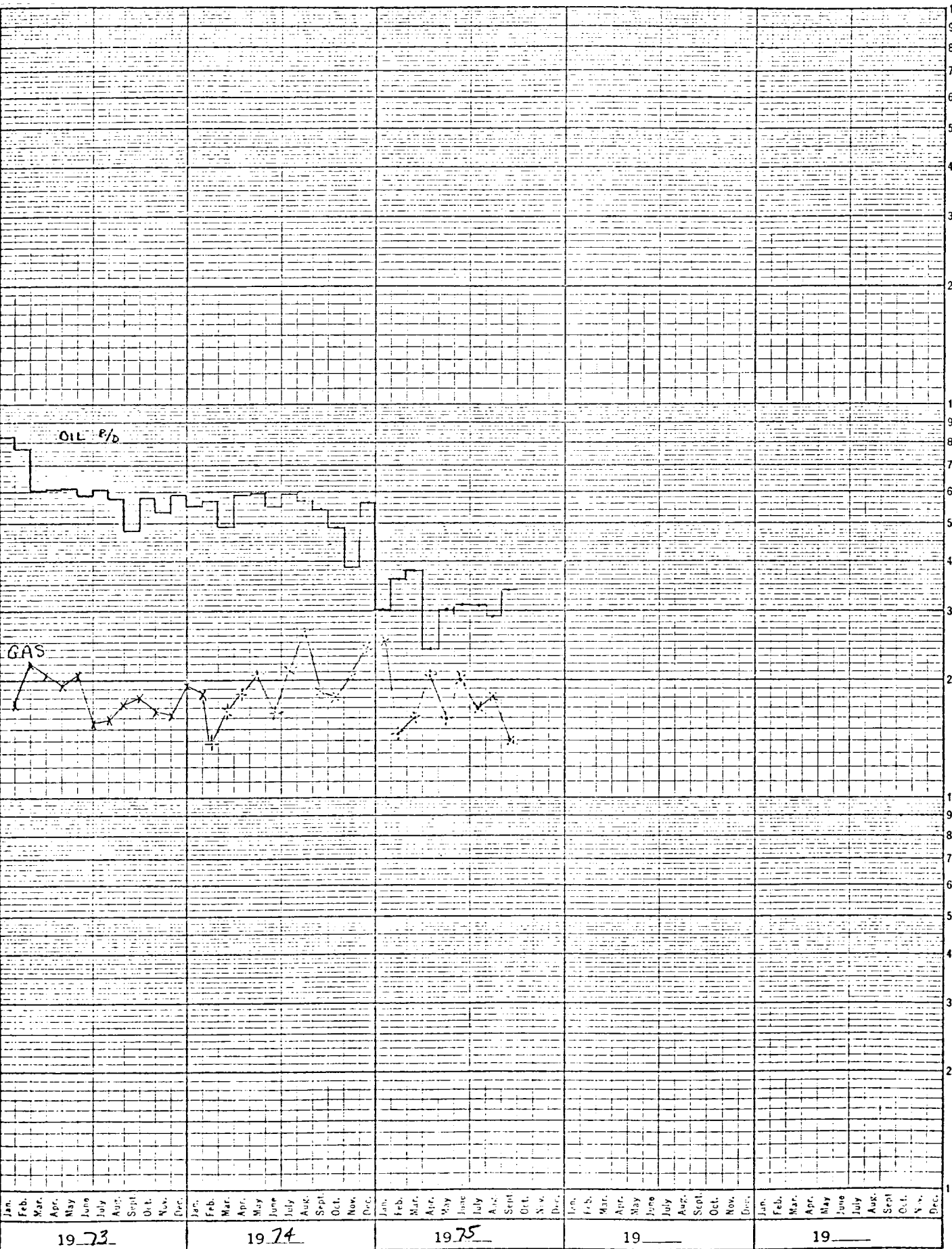
(Title)



(Date)

EXHIBIT B.

AVG. DAILY OIL (b/d) & GAS (mcf/d)



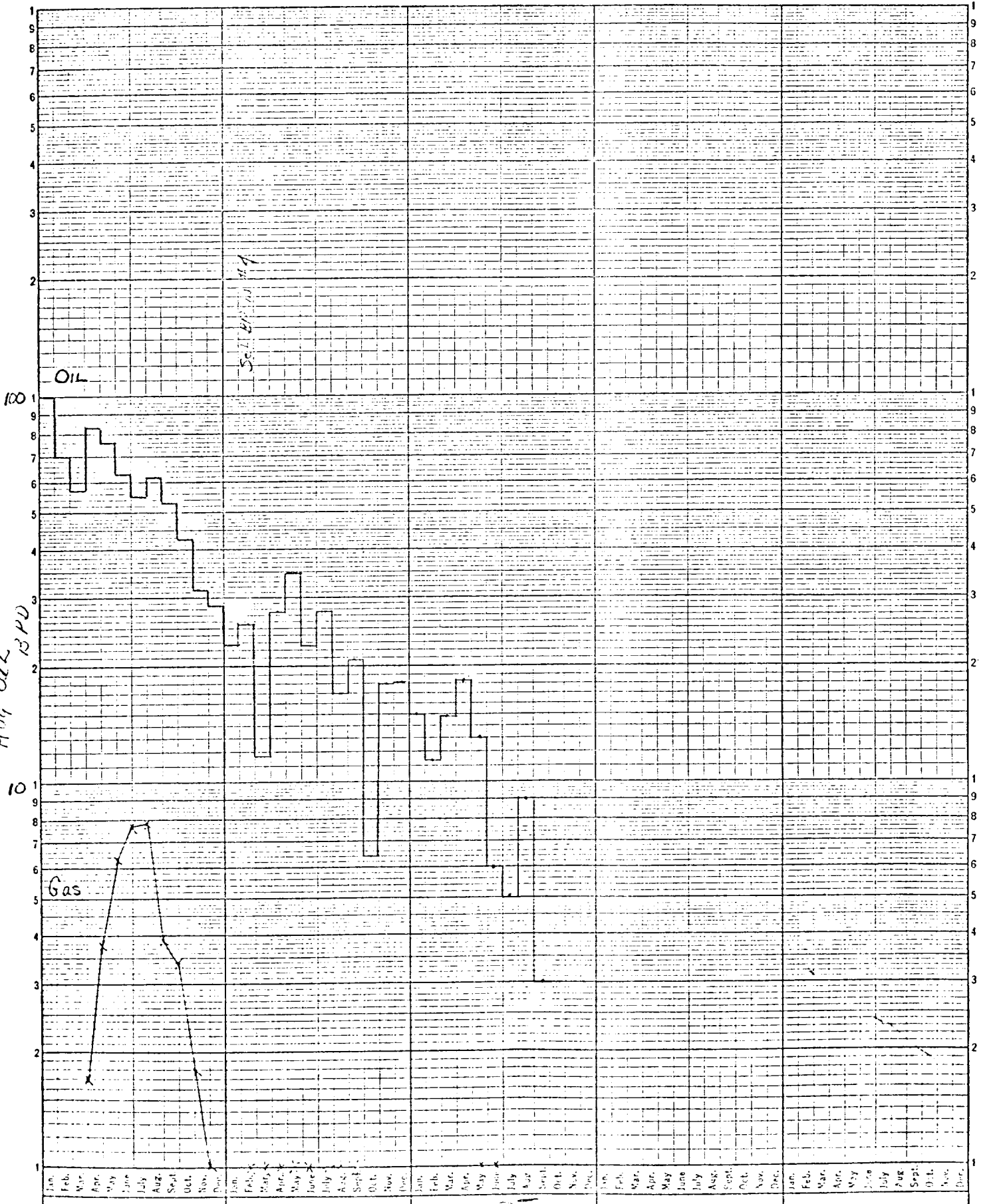
5 YEARS BY MONTHS 46 6690
X 3 LOG CYCLES
MADE IN U.S.A.
KEUFFEL & ESSER CO.

EXHIBIT B₂

HUG Gas MCF/day

5 YEARS BY MONTHS 46 6690
X 3 LOG CYCLES
MADE IN U.S.A.
KEUFFEL & ESSER CO.

HUG OIL BPD



LIOTT FEDERAL "31" NO. 1

SCHEMATIC OF WELL BORE

ELEVATION - 3126'

