



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

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NOV 21 1975
OIL CONSERVATION COMM.
Santa Fe

DHC - 184
Due - 12/11/75

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 respectively 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,

Tom Pickering
Tom Pickering

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

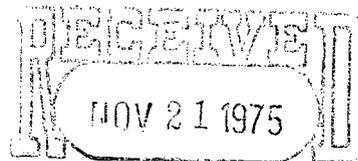
TP/be

Bottom of 10,244 - must allow - 90 BOPD

Fuss - 4 BOPD =
Elli - 35 " =
Total 39 "



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OIL CONSERVATION COMM.
Santa Fe

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.

Waiver Rec'd
SKelly

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.

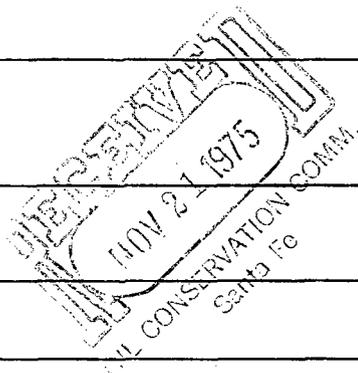
We have examined the criteria for downhole commingling as outlined in Rule 303-C and have met all of the requirements. We feel this action will lead to the ultimate recovery of the oil in these zones.

EXHIBIT A

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator HNG OIL CO.		Pool DOLLARHIDE		County FUSSEMAN		Special <input checked="" type="checkbox"/>									
Address LEA		TYPE OF TEST - (X)		Completion <input type="checkbox"/>		Special <input checked="" type="checkbox"/>									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.	GAS M.C.F.
ELLIOT FEDERAL 31	1-	A	31	24	38	10/16/75	P	Open	17	24	0	40.4	4	TSTM	0



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

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.

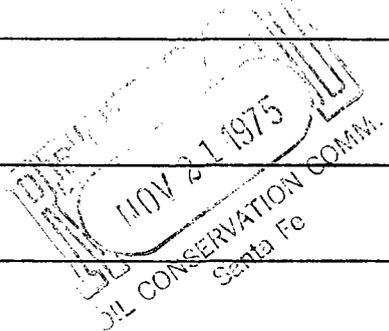
John P. ...
(Signature)
John P. ...
(Title)
11/18/75
(Date)

EXHIBIT A

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-1116
Revised 1-1-65

Operator	Pool	County	TYPE OF TEST - (X)		SCHEDULED	COMPLETION		SPECIAL							
			WELL NO.	DATE OF TEST		WATER BBL.	OIL BBL.								
HNG OIL CO.	DOLLARHIDE	ELLENBURGER													
Address: P.O. Box 2267 MIDLAND, TEX. 79701															
LEASE NAME	WELL NO.	LOCATION			DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO CU.FT./BBL.						
		U	S	T			R	WATER BBL.		OIL BBL.					
ELLIOT FEDERAL 31	1	A	31	24	38	19/17/75	Open	-	39	24	1	42.4	35	14.7	420



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

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.

John P. Dickerson
(Signature)
Edm. Spangenberg
(Title)
 11/18/75
 (Date)

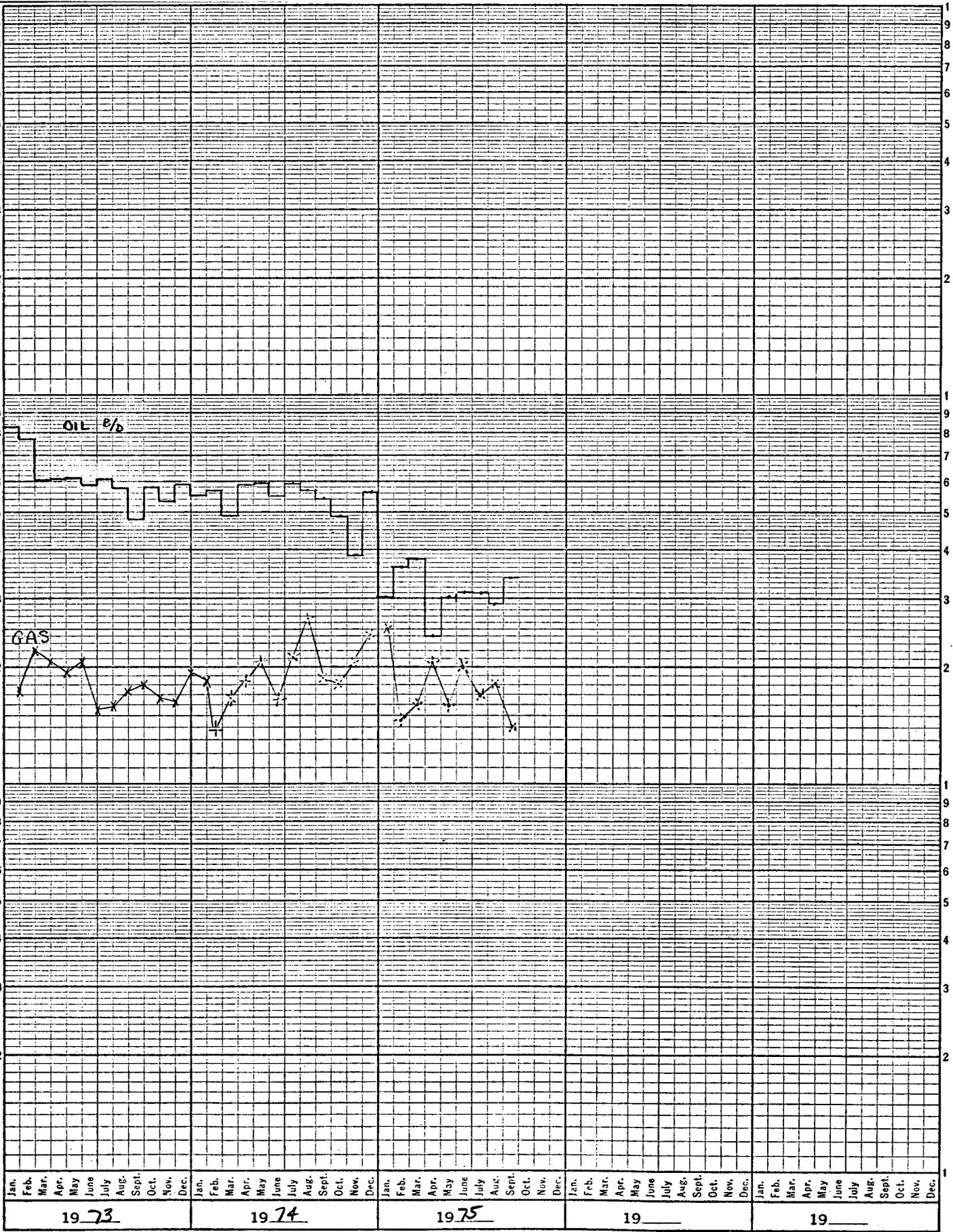
EXHIBIT B,

KE 5 YEARS BY MONTHS 46 6690
MADE IN U.S.A.
KEUFFEL & ESSER CO.

Avg. Daily Oil (b/d) & Gas (mcf/d)

100

101



1973

1974

1975

19

19

EXHIBIT B.

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

Avg. Daily Oil (b/d) & Gas (McF/d)

100

10

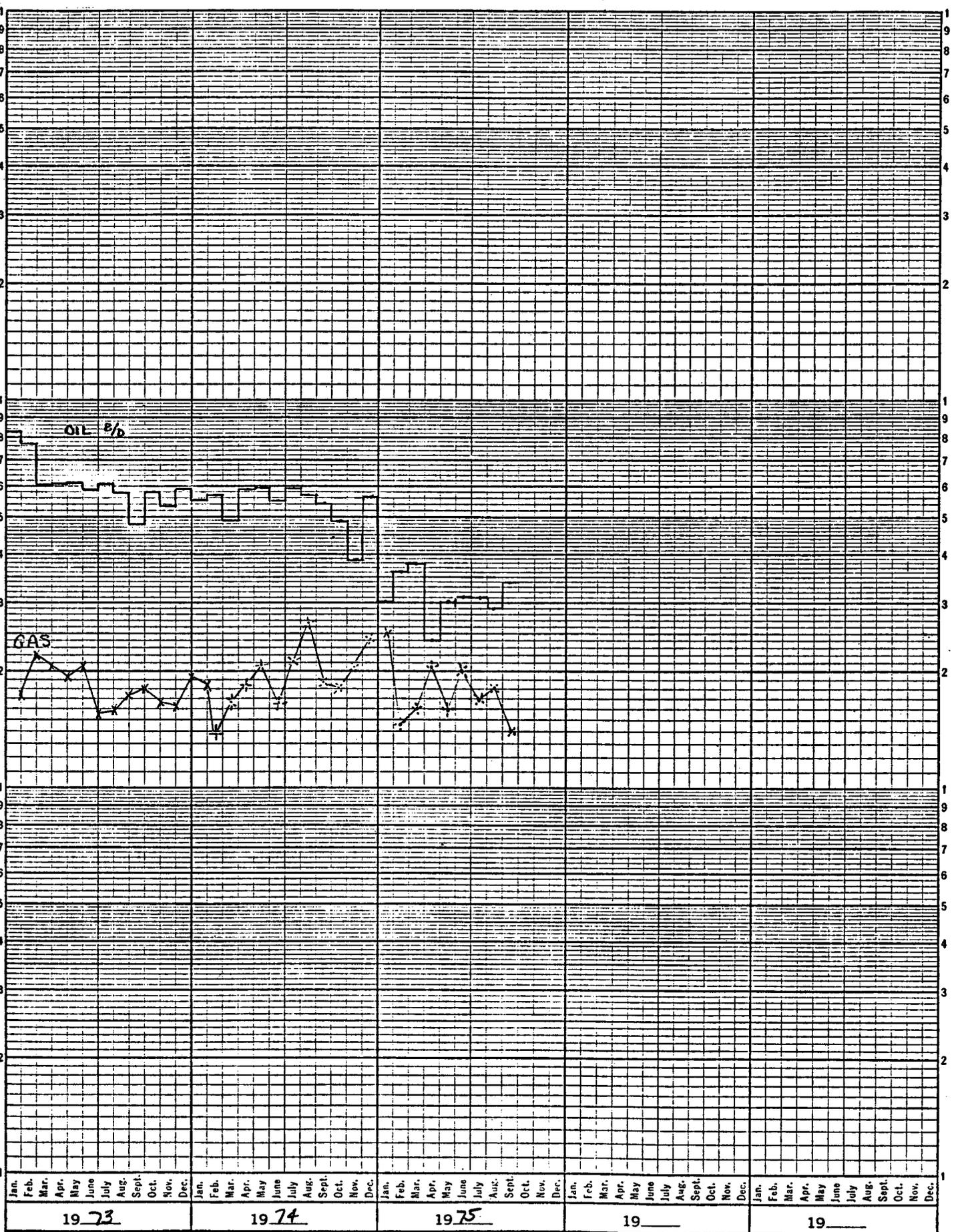


EXHIBIT B₂

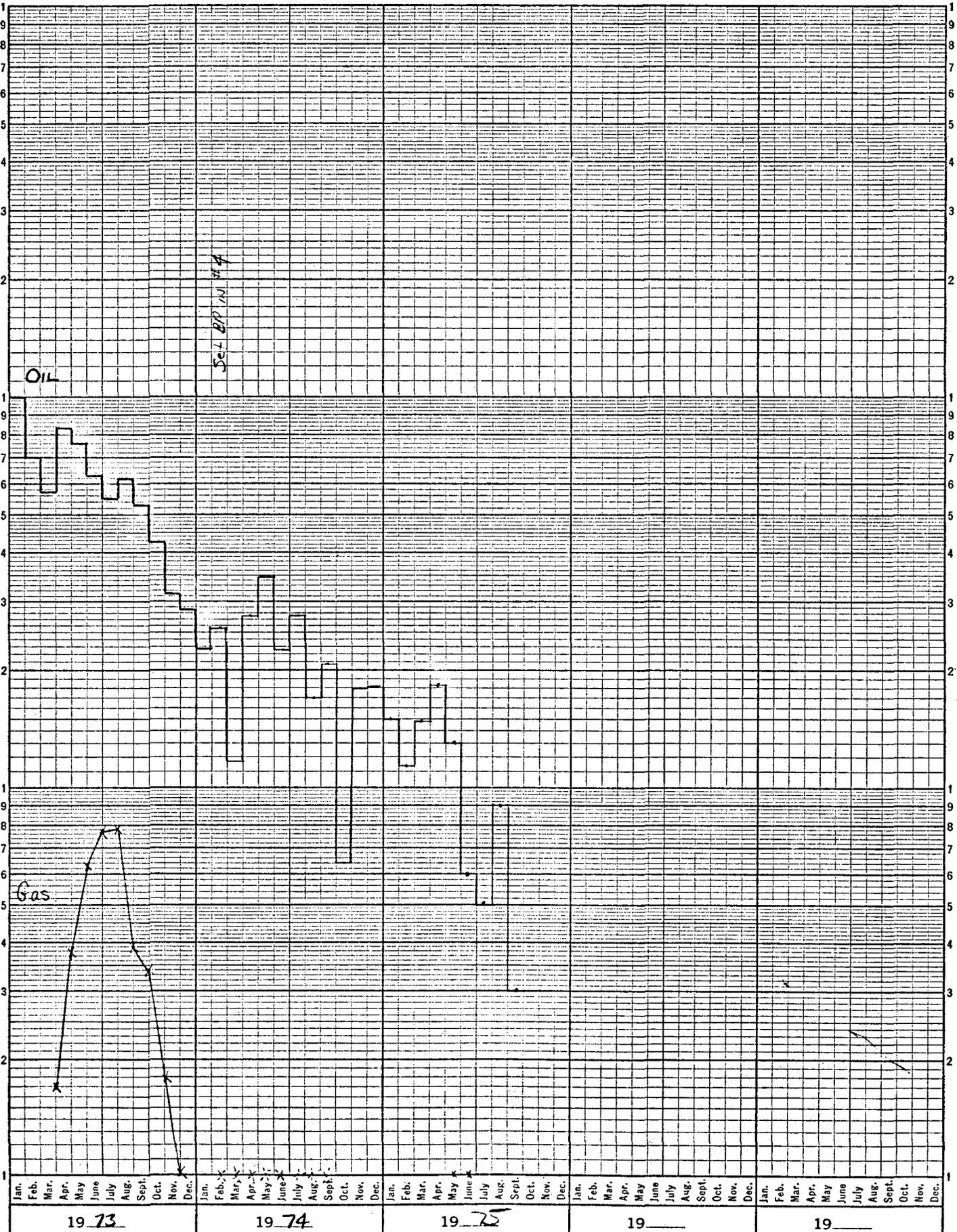
HUG Gas MCF/day

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

Avg OIL BPD

100

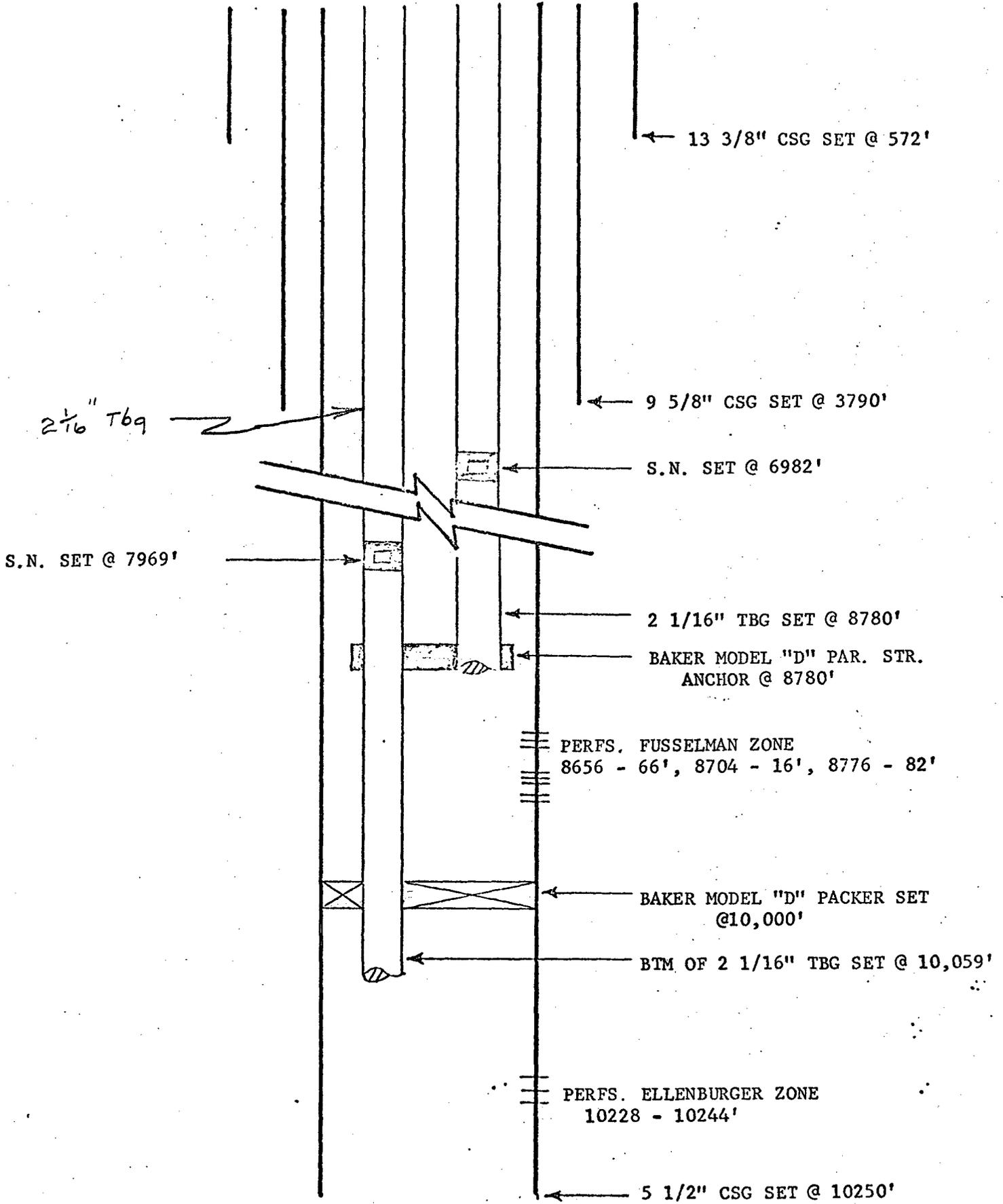
10



ELLIOTT FEDERAL "31" NO. 1

SCHEMATIC OF WELL BORE

ELEVATION - 3126'



2 1/16" TBG

S.N. SET @ 7969'

13 3/8" CSG SET @ 572'

9 5/8" CSG SET @ 3790'

S.N. SET @ 6982'

2 1/16" TBG SET @ 8780'

BAKER MODEL "D" PAR. STR. ANCHOR @ 8780'

PERFS. FUSSELMAN ZONE
8656 - 66', 8704 - 16', 8776 - 82'

BAKER MODEL "D" PACKER SET @ 10,000'

BTM OF 2 1/16" TBG SET @ 10,059'

PERFS. ELLENBURGER ZONE
10228 - 10244'

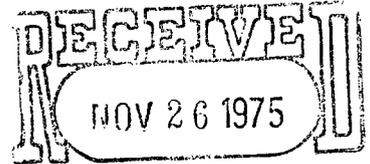
5 1/2" CSG SET @ 10250'

T.D. 10,250'



P. O. BOX 2267, MIDLAND, TEXAS 79701

(915) 683-4871



OIL CONSERVATION COMM.
Santa Fe

November 19, 1975

Skelly Oil Co.
Attn: Mr. Vern Stuckey
Box 1351
Midland, Texas 79701

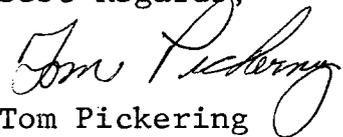
Dear Mr. Stuckey:

As required by the Oil Conservation Commission of New Mexico, this is to advise your Company of our application to downhole commingle in Lea County - Dollarhide Ellenburger and Dollarhide Fusselman Fields.

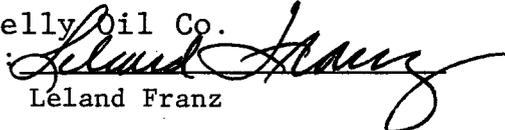
We wish to downhole commingle on our Elliot Federal 31 Lease Well #1. Your nearest production in these two zones appear to be approximately one mile away.

If you have no objections, we would appreciate you signing at the bottom and forwarding to the Oil Conservation Commission, Attn: Mr. J.D. Ramey, P.O. Box 2088, Santa Fe, New Mexico 87501.

Best Regards,


Tom Pickering

Skelly Oil Co.

by: 
Leland Franz

TP/be



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NOV 21 1975

OIL CONSERVATION COMM.
Santa Fe

November 19, 1975

United States Geological Survey
Attn: Mr. Arthur Brown
Hobbs, New Mexico 88240

RECEIVED
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U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

Dear Mr. Brown:

This is to advise you of our request to the Oil Conservation Commission of New Mexico to downhole commingle in the Dollarhide Ellerburger and Dollarhide Fusselman Fields. This will be on the Elliot Federal 31 lease, well #1.

At the present time this well has two strings of 2-1/16" tubing with two pumping units. Our plans are to replace these with one string of 2-3/8" and one pumping unit. This should increase production and allow for a more efficient and profitable operations.

If you have no objections, we would appreciate your signature at the bottom and forwarding to: Oil Conservation Commission, Attn: J.D. Ramey, Box 2088, Santa Fe, New Mexico.

Best Regards,

Tom Pickering
Tom Pickering

NO OBJECTION

United States Geological Survey

by: *Arthur R. Brown*

TP/be

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE November 21, 1975

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

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OIL CONSERVATION COMM.
Santa Fe

Gentlemen:

I have examined the application dated _____

for the HNG Oil Co. Elliott "31" Federal #1-A 31-24-38
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.---J.S.

Yours very truly,

Jerry Septer