

DHC 8-28-95
1147
OIL CONSERVATION DIVISION
RECEIVED
1995 AUG 8 52
P.O. BOX 840
SEMINOLE, TX 79360
915-758-6700

AMERADA HESS CORPORATION

August 3, 1995

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

Re: Request for Exception to Rule 303-A
Downhole Commingling
H. Corrigan #5
Unit G, Sec 4, T-22-S, R-37E
Drinkard and Ellenburger Formations
Eunice Field
Lea County, New Mexico

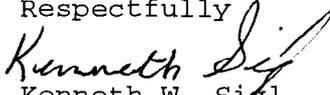
Dear Sir:

Amerada Hess Corporation respectfully requests approval for an exception to Rule 303-A to permit downhole commingling of the Drinkard and Ellenburger zones in the above mentioned well.

Currently the well is flowing from the Drinkard zone and the Ellenburger is isolated under two CIBP's. The Drinkard zone is loaded up with liquid and will not flow efficiently. The Ellenburger has been TA'd since 1964 when the well was recompleted to the Drinkard zone.

The proposed downhole commingling will allow production to be resumed from the Ellenburger formation. Sucker rod lift will be installed which will allow both the Drinkard and Ellenburger zones to be produced to minimum abandonment pressure thereby preventing waste and ensuring no possibility of crossflow.

Enclosed is the pertinent data supporting this application as outlined in Rule 303-C. If additional information is necessary, please contact me at (915) 758-6700.

Respectfully

Kenneth W. Sigl
Senior Petroleum Engineer

Attachments:
XC: Division Director (2)
Hobbs District Office
Offset Operators
File

Request for Exception to Rule 303-A

H. Corrigan Well #5
Eunice Field

- A) Amerada Hess Corporation
P. O. Box 840
Seminole, TX 79360
- B) H. Corrigan Well #5
Unit G, 1980' FNL, 1980' FEL
Section 4, T-22-S, R-37-E
Lea County, New Mexico
Commingle Zones: Drinkard
Ellenburger
- C) A plat of the area is attached showing the lease and offset operations.
Also attached is a C-102 for each formation.
- D) The form C-116 for each of the formations is attached. The Ellenburger
formation has been TA'd since 1964; therefore the allocated production for the
Ellenburger will be based upon its rate prior to being TA'd.
- E) Production curve for both the Drinkard formation. The Ellenburger has been
TA'd since 1964.
- F) Estimated bottom hole pressure for each artificially lifted zone:

Drinkard	386	psig
Ellenburger	250	psig

The well will be pumped off to prevent any possibility of cross-flow.

- G) Amerada Hess is surface commingling the fluids in other nearby wells and has
not encountered any incompatibility problems.
- H) If downhole commingling is approved, additional reserves will be recovered from
the abandoned Ellenburger zone while maximizing recovery from the Drinkard.

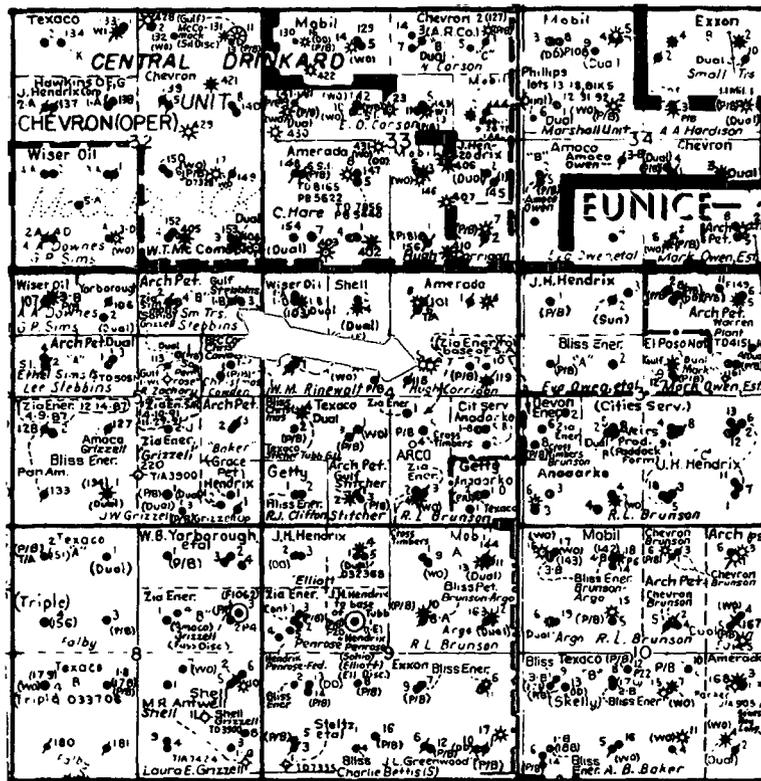
I) Production Allocation Formula:

1) The following percentages are suggested based on the analysis of past and current production:

Anticipated production

	Oil %	BOPD	Gas %	MSCFD
Drinkard	50%	2	73%	110
Ellenburger	50%	2	27%	40
Total	100%	4	100%	150

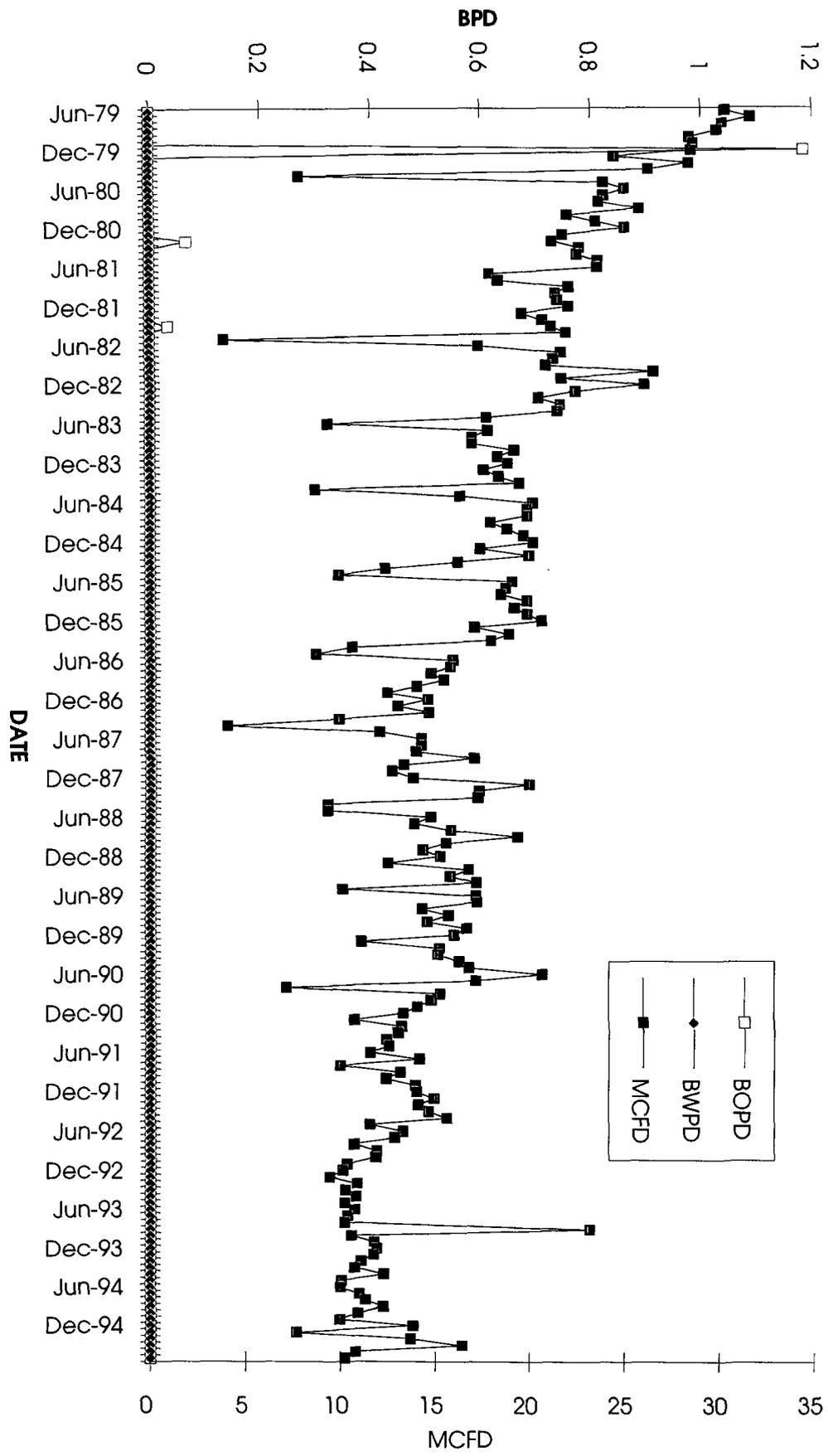
- J) Ownership of the two pools to be commingled are in common and correlative rights will not be violated.
- K) By copy of this letter we are notifying all offset operators of the proposed commingling.



LAND PLAT
 EUNICE AREA
 LEA COUNTY, NEW MEXICO

1" = 3000

H. CORRIGAN #5



AMERADA HESS CORPORATION

REQUEST FOR EXCEPTION TO RULE 303-A
DOWNHOLE COMMINGLING
DRINKARD OIL AND GAS POOLS AND ELLENBURGER OIL AND GAS POOL
H. CORRIGAN #5
1980' FNL AND 1980' FEL, UNIT G
SECTION 4, T-22-S, R-37-E
LEA COUNTY, NEW MEXICO

OFFSET OPERATORS

John Hendrix Corporation
P O Box 3040
Midland, TX 79702

Zia Energy Inc
Box 2219
Hobbs, NM 88241

Bliss Petroleum Corp
Box 1817
2125 N. French Drive
Hobbs, NM 88241

Shell Western E&P Inc
Box 576
Houston, TX 77001

Amoco Production Company
Box 309210
Houston, TX 77253

Arch Petroleum Inc
Desta Drive
Suite 420 E
Midland, TX 79705

Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, Ok 73102

Anadarko Petroleum Corp
P O Box 1330
Houston, TX 77251

Cross Timbers Production Company
810 Houston, STE 2000
Fort Worth, Tx 76102

Arco Oil and Gas Company
P O Box 1610
Midland, TX 79702

Texaco Producing Incorporated
P O Box 3109
Midland, TX 79702

Mobil Producing Texas and New Mexico
Box 633
Midland, TX 79702

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87418
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

Form C-102
 Revised February 10, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-		² Pool Code		³ Pool Name Brunson Ellenburger	
⁴ Property Code 19190		⁵ Property Name H. Corrigan			⁶ Well Number 5
⁷ OGRID No. 000495		⁸ Operator Name Amerada Hess Corporation			⁹ Elevation 3466'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	4	22S	37E		1980'	North	1980'	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
	<i>Kenneth Sigl</i> Signature Kenneth Sigl Printed Name Senior Petroleum Engr. Title 8-3-95 Date	
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>	
Date of Survey Signature and Seal of Professional Surveyor:		Certificate Number

Submit 2 copies to Appropriate District Office.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator Amerada Hess Corporation		Pool Drinkard		County Lea										
Address Drawer D, Monument, New Mexico 88265		TYPE OF TEST - (X)		Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE	TBQ. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU./FT/BBL.
		U	S	T	R						WATER BBL.S.	GRAV. OIL BBL.S.	OIL BBL.S.	
H. Corrigan	5	G	4	22S	37E	8-3-95	2" W0	30		24	22	2	110	55,000
*Request subsurface commingling:														
Drinkard:														
Oil - 50%														
Gas - 73%														
Ellenburger:														
Oil - 50%														
Gas - 27%														

Instructions:

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.

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

Signature *Kenneth Sigl*

Kenneth Sigl Senior Petroleum Engr.

Printed name and title
8-3-95 915-758-6700

Date Telephone No.