

AMERADA HESS CORPORATION

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

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:

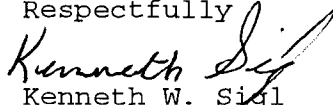
Amerada Hess Corporation respectfully requests approval for an exception to Rule 303-A to permit downhole commingling of the Drinkard and Ellenburger zones in the above mentioned well.

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
Commingling 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.

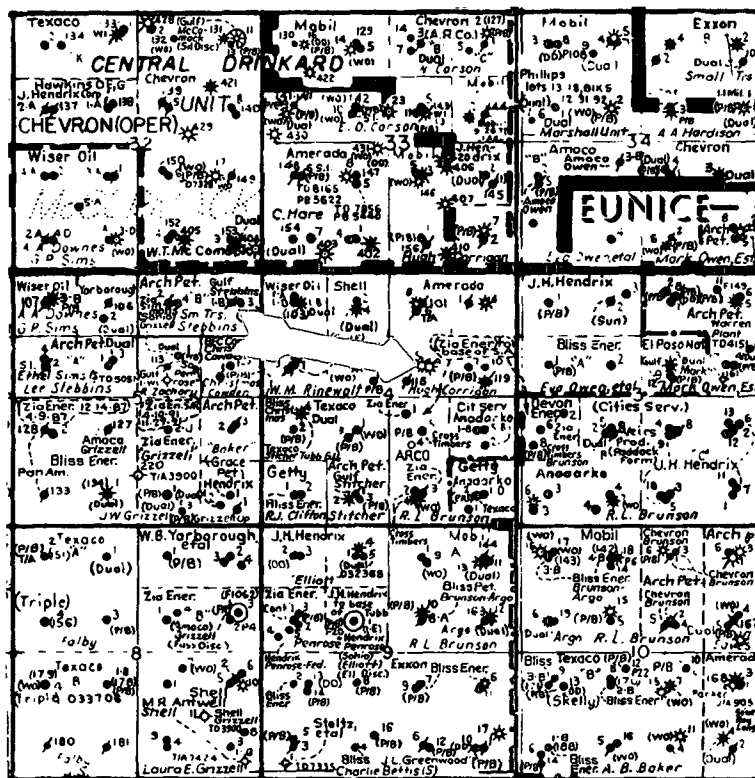
I) Production Allocation Formula:

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

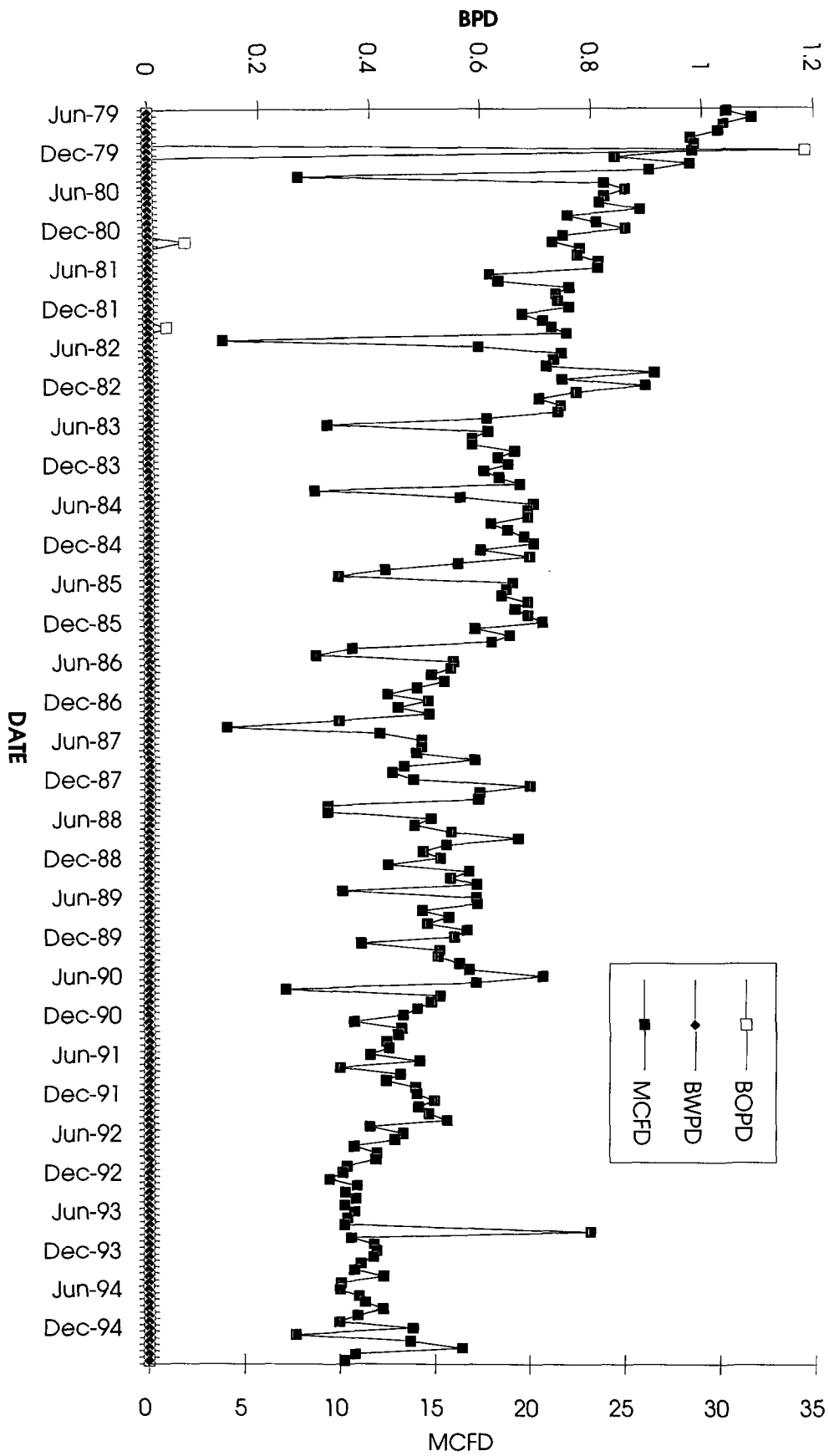
- J) Ownership of the two pools to be commingled are in common and correlative rights will not be violated.
- K) By copy of this letter we are notifying all offset operators of the proposed commingling.



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 1960, Hobbs, NM 88241-1960
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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

API Number 30-025-		Pool Code	Pool Name Brunson Ellenburger
Property Code 19190	Property Name H. Corrigan		Well Number 5
OGRID No. 000495	Operator Name Amerada Hess Corporation		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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Kenneth Sigl Printed Name Senior Petroleum Engr. Title 8-3-95 Date	
	¹⁸ SURVEYOR CERTIFICATION 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. Date of Survey Signature and Seal of Professional Surveyer:	
	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

Form C-116
Revised 1/1/89

OIL CONSERVATION DIVISION

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

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.		GAS M.C.F.
H. Corrigan	5	G	4	22S	37E	8-3-95	P	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

Senior Petroleum Engr.

Printed name and title

8-3-95

915-758-6700

Date

Telephone No.