

ANADARKO PETROLEUM CORP.
HARVARD #1
EQUIPMENT HISTORY

- ① Initial completion, install American D-160 w/1-1/2" insert pump.
- ② Well not pumping down, change pump to 1-3/4" insert.
- ③ Well not pumping down, change pump to 2" insert.
- ④ Well beginning to pump down, pump gas locking, add gas anchor and lower pump below perforations.
- ⑤ Install American D-320 w/2-1/4" tubing pump to further reduce fluid level.
- ⑥ Install Mark II D-456 w/2-1/4" tubing pump to further reduce fluid level.

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION
Anadarko EXHIBIT NO. 5
CASE NO. 9137

FOSTER SAN ANDRES FIELD
 HARVARD #1
1986 & 1987 PRODUCTION TOTALS

<u>MONTH</u>	<u>OIL (BBL)</u>	<u>GAS (MCF)</u>	<u>GAS ALLOW. (MCF)</u>	<u>OVER PROD/CUM (MCF)</u>	<u>DAYS PROD</u>
July 1986	730	10,960	12,400	0/0	31
Aug.	673	11,418	12,400	0/0	31
Sept.	990	12,430	12,000	430/430	30
Oct.	558	11,411	12,400	0/0	28
Nov.	655	11,538	12,000	0/0	28
Dec.	742	13,760	12,400	1360/1360	31
Jan. 1987	420	13,136	12,400	736/2096	17
Feb.	991	13,779	11,200	2579/4675	28
Mar.	1049	16,855	12,400	4455/9130	28
April	1217	20,495	12,000	8495/17,625	30

BEFORE EXAMINER CATANACH
 OIL CONSERVATION DIVISION
Arvadarko EXHIBIT NO. 6
 CASE NO. 9137

TEXAS AMERICAN OIL CORPORATION

300 WEST WALL, SUITE 400 MIDLAND, TEXAS 79701 915-683-4811

May 18, 1987

State of New Mexico
Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 85701

Re: Application for Amendment of the
Special Rules and Regulations of
the Foster-San Andres Pool
Lea County, New Mexico

Gentlemen:

Texas American Oil Corporation, an operator in the referenced pool, supports the application submitted by Anadarko Petroleum Corporation to increase the gas-oil ratio limitation to 10,000 cubic feet of gas to one barrel of oil.

The performance of Texas American's Foster Ranch #1 indicates that this is a mature solution gas drive reservoir that requires an increase in the allowable GOR to maintain economic production. Approval of Anadarko's application will benefit all operators in this pool and allow efficient and economic drainage of this reservoir.

We believe that disapproval of this application will result in premature abandonment of this reservoir.

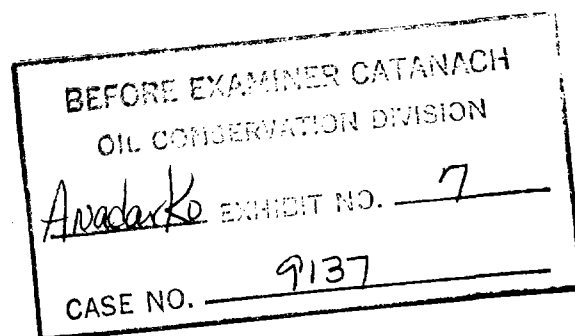
Very truly yours,



David Miller
Manager of Operations

JY/ja

cc: Anadarko Production Company
P. O. Box 2497
Midland, TX 79702





PHILLIPS 66 NATURAL GAS COMPANY

A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA 74004 PHONE: 918 661-6600

May 14, 1987

**ADDITIONAL GAS PURCHASE AND MARKETING
#1 HARVARD
SW/4 SE/4
SECTION 31, TOWNSHIP 18 SOUTH,
RANGE 39 EAST
LEA COUNTY, NEW MEXICO**

ANADARKO PETROLEUM CORP.

Attn: Mr. John Beard
400 W. Illinois Str.
Independent Plaza Bldg.
Suite 1300
Midland, Texas 79701

Dear Mr. Beard:

In response to your recent inquiry, Phillips 66 Natural Gas Company (P66NGC) does not anticipate any problems at this time in purchasing, processing and marketing additional gas production from the above captioned lease. It appears that our current system capacity can handle additional volumes of gas production without any significant impact on the operating pressure in this area. Accordingly we would not anticipate any curtailment in other area production as a result of increased deliveries by Anadarko. Of course, any significant increase in volume could result in increased system pressures that would require line looping or supplemental compression to return the system to normal operating pressures. P66NGC would take such action if economically justified.

Further, in reviewing your inquiry with P66NGC-Sales Division, they do not at this time anticipate any difficulty in marketing additional gas production available at the tailgate of our Eunice processing facility. As you are aware, this processing facility currently handles production from the captioned lease, as well as other gas production from similar leases in Lea County, New Mexico.

If you have any further questions, please do not hesitate to contact me.

Sincerely,

PHILLIPS 66 NATURAL GAS COMPANY

Christopher L. Wren
Manager, Gas Contracts
810A Plaza Office Building
(918) 661-9111

CLW:kt-RC
cc: M. A. Fitzgibbons
A. Gutierrez

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

Anadarko EXHIBIT NO. 8

CASE NO. 9137

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION
OF ANADARKO PETROLEUM CORPORATION
FOR AMENDMENT OF THE SPECIAL RULES
AND REGULATIONS OF THE FOSTER-SAN
ANDRES POOL, LEA COUNTY, NEW MEXICO.

CASE:

CERTIFICATE OF MAILING
AND
COMPLIANCE WITH ORDER R-8054

OK In accordance with Division Rule 1207 (Order R-8054)
I hereby certify that on April 28, 1987, notice of the
hearing, and a copy of this application, were mailed at
least twenty days prior to hearing originally set for May
20, 1987 to the operators and interested parties listed
in Exhibit "A" attached to application.

W. Thomas KeYlahin
W. Thomas KeYlahin

SUBSCRIBED AND SWORN to before me this 19th day of
May, 1987.

Cassie Aguilar
Notary Public

My Commission Expires:

9-26-87

BEFORE EXAMINER CATANACH OIL CONSERVATION DIVISION <i>Anadarko</i> EXHIBIT NO. <u>9</u> CASE NO. <u>9137</u>

EXHIBIT "A"

Texas American Oil Corp.
300 Wall Street, Suite 400
Midland, Texas 79701

John & Mary Harvard
202 South G Street
Midland, Texas 79701

Geraldine Massad
705 West 35th Place
Lawton, Oklahoma 73505

Frank Massad, Jr.
5727 Warm Springs
Houston, Texas 77035

P. & J. Investors
P. O. Box 5531
Hobbs, New Mexico 88241

Vlema Wise Estate
Attn: Ms. Jo Johnson
419 West Cain
Hobbs, New Mexico 88240

Mrs. Fern Cone
3309 43rd Street
Lubbock, Texas 79413

Clifford Cone
Box 6010
Lubbock, Texas 79413

Continental EMSCO Corp.
1810 Commerce Street
Dallas, Texas 75221

Stallworth Oil & Gas Inc.
Box 479
1900 Hartford
Dallas, Texas 75221

Zachary Oil Operating Corp.
1212 Commerce Building
Fort Worth, Texas 76102

Martindale Petroleum Corp.
P. O. Box 2403
Hobbs, New Mexico 88240

Jean C. Massad
Route 12, Box 32
Tyler, Texas 75708

Joy N. Massad, Jr.
1811 Sterling Drive
Tyler, Texas 75701

Barton Brothers Land &
Royalty Company
P. O. Box 978
Hobbs, New Mexico 88240

C. Melvin Neal Estate
P. O. Box 278
Hobbs, New Mexico 88240

Robert L. Summers
Box 776
Hobbs, New Mexico 88240

Douglas L. Cone
P. O. Box 13621
Albuquerque, NM 87192

Kenneth Cone
Box 11310
Midland, Texas 79703

Exxon, USA
Box 1600
Midland, Texas 79702-1600

Sam K. Viersen
Box 280
Okmulgee, Oklahoma 74447

Regency Petroleum Co. of NM
300 East Carpenter Freeway
Suite 1445
Irving, Texas 75062

KELLAHIN, KELLAHIN AND AUBREY

Attorneys at Law

El Patio - 117 North Guadalupe

Post Office Box 2265

Santa Fe, New Mexico 87504-2265

Telephone 982-4285

Area Code 505

W. Thomas Kellahin
Karen Aubrey

Jason Kellahin
Of Counsel

April 28, 1987

Mr. William J. LeMay
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 85701

"Hand Delivered"

Re: Anadarko Petroleum Corporation
Foster San Andres Pool
Special Pool Rules

Dear Mr. LeMay:

On behalf of Anadarko Petroleum Corporation, please set the enclosed application to increase the gas-oil ratio limitation in the Foster San Andres Pool for the next available examiner's hearing now scheduled for May 20, 1987.

By copy of this letter, and enclosed application, we are notifying all interested parties that they have the right to appear at the hearing either in support of or opposition to the application. Should they desire further information they may contact the undersigned or Mr. John Beard, Anadarko Petroleum Company, (915) 682-1666.

Very truly yours,



W. Thomas Kellahin

WTK:ca
Enc.

cc: William D. Sullivan
Anadarko Production Company
P. O. Box 2497
Midland, Texas 79702

All interested parties in Exhibit A

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION Anadarko EXHIBIT NO. 10 CASE NO. 9137
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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 9137
ORDER NO. R-8113-A

APPLICATION OF ANADARKO PETROLEUM
CORPORATION TO AMEND THE SPECIAL
RULES AND REGULATIONS FOR THE
FOSTER-SAN ANDRES POOL, LEA COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 am on May 20, 1987,
at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 1st day of June, 1987, the Division
Director, having considered the testimony, the record, and the
recommendations of the Examiner, and being fully advised in the
premises,

FINDS THAT:

(1) Due public notice having been given as required by
law, the Division has jurisdiction of this cause and the
subject matter thereof.

(2) By Division Order No. R-1059, dated September 30,
1957, the Division created, defined, and designated the
Foster-San Andres Pool for the production of oil from the San
Andres formation. Currently the horizontal limits for the pool
consist of the following described area in Lea County, New
Mexico:

TOWNSHIP 18 SOUTH, RANGE 39 EAST, NMPM

Section 31: SE/4

TOWNSHIP 19 SOUTH, RANGE 39 EAST, NMPM

Section 5: NW/4

Irregular Section 6: NE/4

(3) Said pool was governed by the Division Statewide Rules until Special Pool Rules were instituted by Division Order No. R-8113, dated January 6, 1986, and made effective July 1, 1985, which established a limiting gas/oil ratio (GOR) of 5000 cubic feet of gas per barrel of oil.

(4) The applicant, Anadarko Petroleum Corporation, now seeks to increase the gas/oil ratio limitation to 10,000 cubic feet of gas per barrel of oil for said pool.

(5) Applicant further seeks to have this amendment made effective retroactive to September 1, 1986.

(6) The Foster-San Andres Pool is a solution gas drive reservoir in its final stages of production and according to the testimony presented, the establishment of the requested higher gas/oil ratio will not result in waste.

(7) An effective date of September 1, 1986, for changing the gas/oil ratio will result in eliminating current casinghead gas overproduction for Anadarko's Harvard Well No. 1 located 330 feet from the South line and 2310 feet from the East line (Unit O) of Section 31, Township 18 South, Range 39 East, NMPM, Lea County, New Mexico.

(8) Based on testimony presented at the hearing, the proposed retroactive date will not violate the correlative rights of other operators in the pool.

(9) No interested party objected to the proposed change in GOR or the retroactivity thereof.

(10) This application should therefore be approved.

IT IS THEREFORE ORDERED THAT:

(1) Effective September 1, 1986, the limiting gas/oil ratio for the Foster-San Andres Pool, Lea County, New Mexico, is hereby established at 10,000 cubic feet of gas per barrel of oil.

(2) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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Case No. 9137

Order No. R-8113-A

DONE at Santa Fe, New Mexico on the day and year herein-
above designated.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in cursive script, which appears to read "William J. Lemay". A long, thin vertical line extends downwards from the end of the signature.

WILLIAM J. LEMAY
Director