



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

*COMMINGLING ORDER PC-929*

Amoco Production Company  
P.O. Box 800  
Denver, Colorado 80201-0800

Attention: Ms. Pamela W. Staley

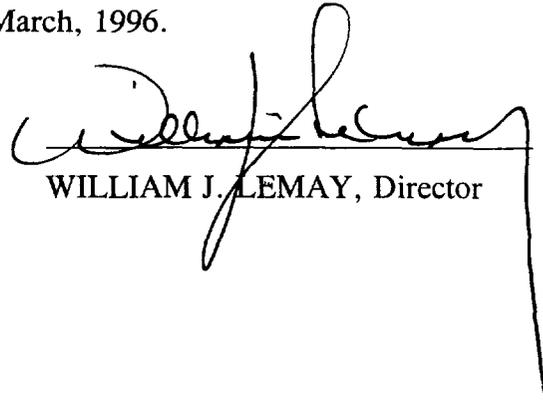
WELL NAME: Abrams Gas Com 'D' Well No.1  
DESCRIPTION: SE/4 of Section 29, Township 29 North, Range 10 West, NMPM,  
San Juan County, New Mexico.

The above-named company is hereby authorized to commingle Aztec Fruitland Sand (Gas - 71200) and Aztec Pictured Cliffs (Gas - 71280) Pool production in a common facility and to determine production from each pool by well tests. (If this method is to be authorized, all commingled production must be of marginal nature; further the operator shall notify the Santa Fe office of the Division in the event any well on the commingled facility becomes capable of the allowable production, at which time the Division will amend this order or take such other action as may be appropriate.)

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

NOTE: This installation shall be installed and operated in accordance with the applicable provisions of Rule 303 of the Division Rules and Regulations and the Division "Manual for the Installation and Operation of Commingling Facilities." It is the responsibility of the producer to notify the transporter of this commingling authority.

DONE at Santa Fe, New Mexico, on this 20th day of March, 1996.

  
WILLIAM J. LEMAY, Director

WJL/BES

cc: Oil Conservation Division- Aztec



February 20, 1996

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P.O. Box 6429  
Santa Fe, NM 87505

Southern

Rockies

Business

Unit

**Application for Exception to Rule 303-A  
Surface Commingling  
Abrams Gas Com D#1 Well  
1650' FSL & 990' FEL, Unit I Section 29-T29N-R10W  
Aztec Pictured Cliffs (Pool IDN 71280) and Aztec Fruitland Sand (Pool IDN 71200) Pools  
San Juan County, New Mexico**

Amoco Production Company hereby requests administrative approval to surface commingle production from the Aztec Pictured Cliffs and Aztec Fruitland Sand in the Abrams Gas Com D#1 well referenced above. This well is producing as a dual completion and we plan to complete the well with the two zones commingled at the surface. This well is anticipated to have marginal production and surface commingling will offer an economical method of production using a single train of production equipment. The actual commercial value of the commingled production will not be less than the sum of the values of the production from each of the common sources of supply.

The ownership (WI, RI, ORRI) of these pools is identical in this wellbore. Currently, the Pictured Cliffs is producing 23 MCFD and the Fruitland Sand is producing 22 MCFD resulting in an expected rate of 45 MCFD. The recommended allocation would be based on historical production attributing 51% to the Pictured Cliffs and 49% to the Fruitland Sand. Neither formation produces liquids in this well so no allocation for liquids is recommended.

Attached to aid in your review are plats showing the location and acreage dedicated to the well, a historical production plot for each formation and a schematic of the proposed commingling installation. This spacing unit does not involve any State or Federal lands.

Sincerely,

Pamela W. Staley

cc: Steve Webb  
Gail Jefferson

Frank Chavez, Supervisor  
NMOCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

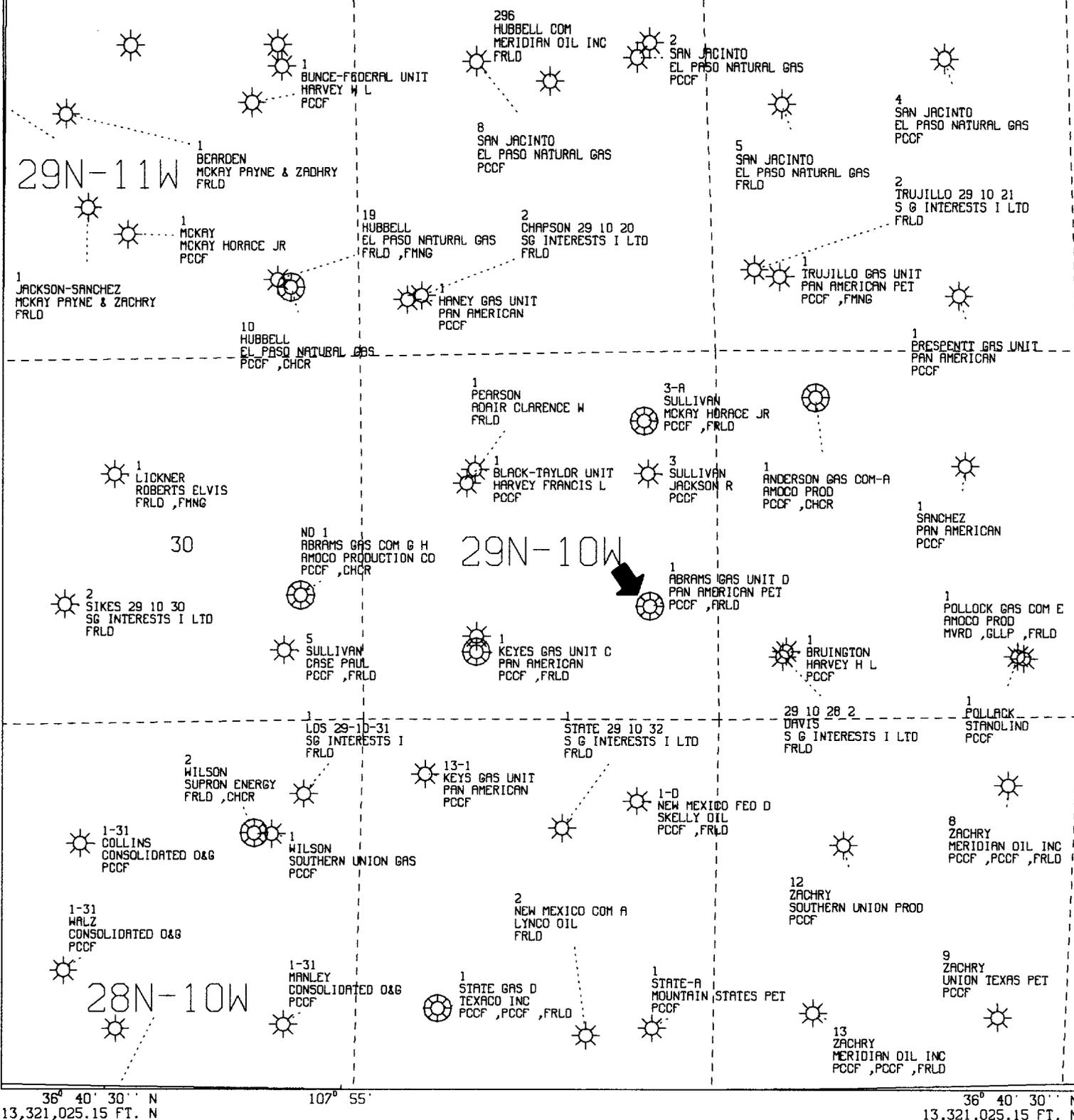
992,157.77 FT. E  
107° 56' 0" W

107° 52' 48" W  
1,007,842.23 FT. E

29N-11W

29N-10W

28N-10W



36° 40' 30" N  
13,321,025.15 FT. N

36° 40' 30" N  
13,321,025.15 FT. N

All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

AMOCO PRODUCTION COMPANY  
PLAT MAP  
Abrams Gas Com D 1  
FT & PC Formations

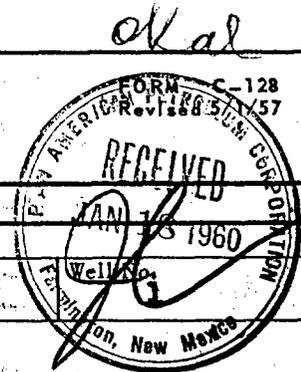
SCALE 1 IN. = 2,000 FT. SEP 18, 1995

POLYCONIC CENTRAL MERIDIAN - 107° 54' 24" W LON  
SPHEROID - 6

992,153.37 FT. E  
107° 56' 0" W

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE



**SECTION A**

Operator <b>Pan American Petroleum Corporation</b>		Lease <b>Abrams Gas Unit "D"</b>		
Unit Letter <b>I</b>	Section <b>29</b>	Township <b>29 North</b>	Range <b>10 West</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>South</b> line and <b>990</b> feet from the <b>East</b> line				
Ground Level Elev. <b>5535</b>	Producing Formation <b>Fruitland</b>	Pool <b>Astee Fruitland</b>	Dedicated Acreage: <b>160</b> Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES  NO  ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES  NO . If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

**SECTION B**

**NOTE: Form C-128 filed to show acreage dedication for dual completion in Fruitland zone of well originally drilled and completed in the Pictured Cliffs formation.**

**ILLEGIBLE**



**Fee Land  
R. A. Abrams**

**x 990**

**1650**

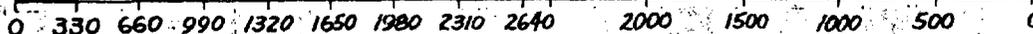
**CERTIFICATION**

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

Name <i>R. M. Bauer, Jr.</i> <b>R. M. Bauer, Jr.</b>
Position <b>Area Engineer</b>
Company <b>Pan American Petroleum Corp.</b>
Date <b>January 11, 1960</b>

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Date Surveyed <b>January 2, 1958</b>
Registered Professional Engineer and/or Land Surveyor <b>Original /s/ James P. Lease</b>
Certificate No. <b>1463</b>



*Well filed*

Well Location and Acreage Dedication Plat

Section A.

Date April 10, 1958

Operator PAN AMERICAN PETROLEUM CORPORATION Lease ABRAMS GAS UNIT "D"  
 Well No. D-11 Unit Letter I Section 29 Township 29 NORTH Range 10 WEST, NMPM  
 Located 1650 Feet From the SOUTH Line, 990 Feet From the EAST Line  
 County SAN JUAN G. L. Elevation \* Dedicated Acreage 160 Acres  
 Name of Producing Formation Pictured Cliffs Pool Aztec Pictured Cliffs

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes  No  **\*To be reported later**
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes  No . If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

<u>Owner</u>	<u>Land Description</u>

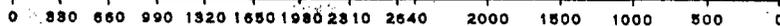
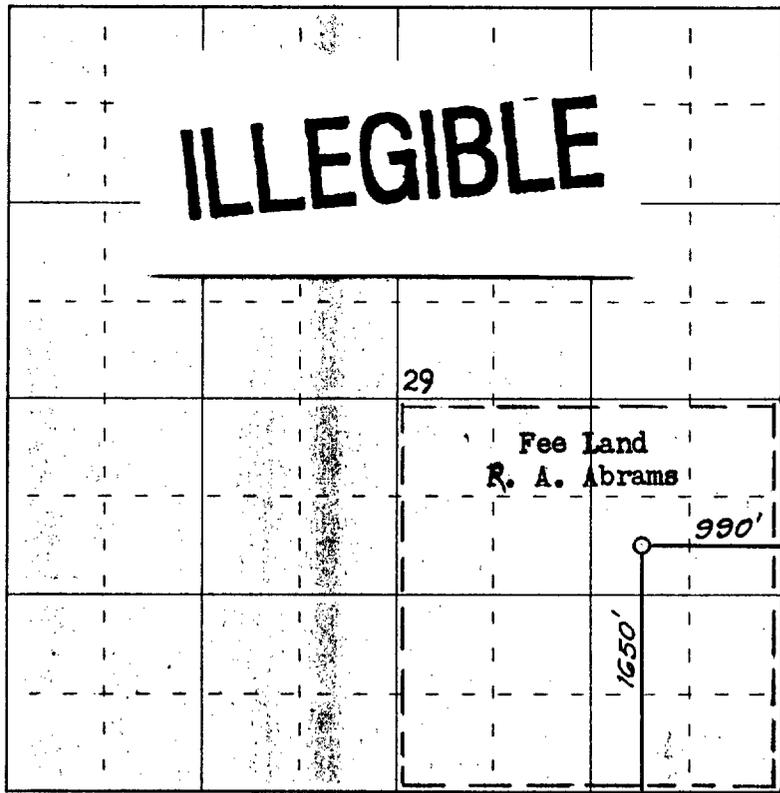
Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

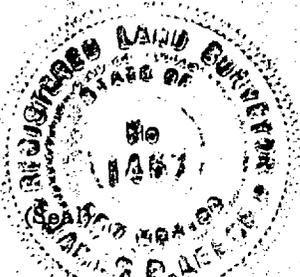
PAN AMERICAN PETROLEUM CORPORATION  
 (Operator)  
R. M. BAUER, JR. *RMB*  
 (Representative)  
BOX 487, FARMINGTON, NEW MEXICO  
 (Address)

Ref: GLO Plat Dated 19 April 1881

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile



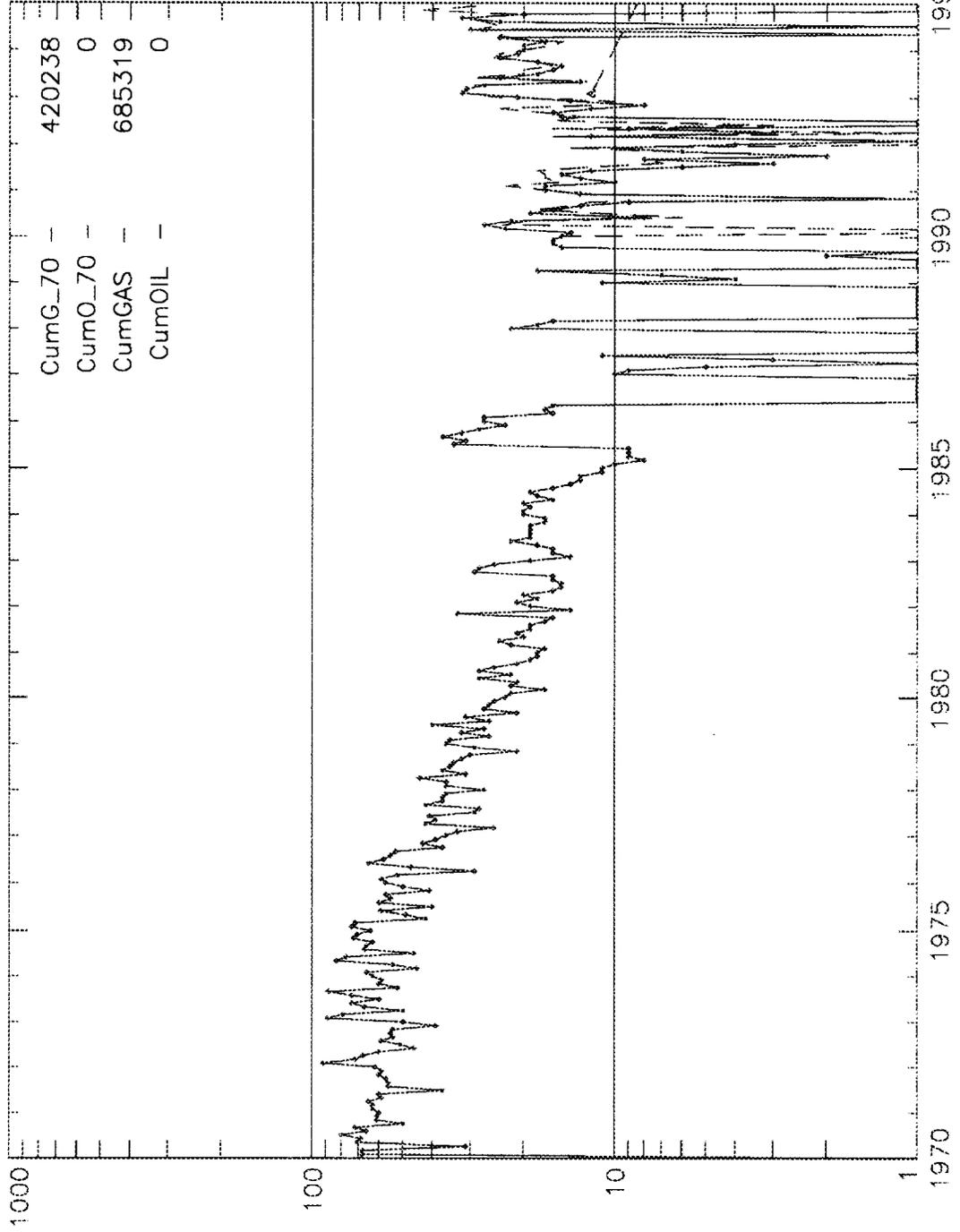
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 2 JANUARY 1958

*James P. Leese*  
 Registered Professional Engineer and/or Land Surveyor  
 JAMES P. LEESE N.MEX. REG. No. 1463

Engr: zdws22

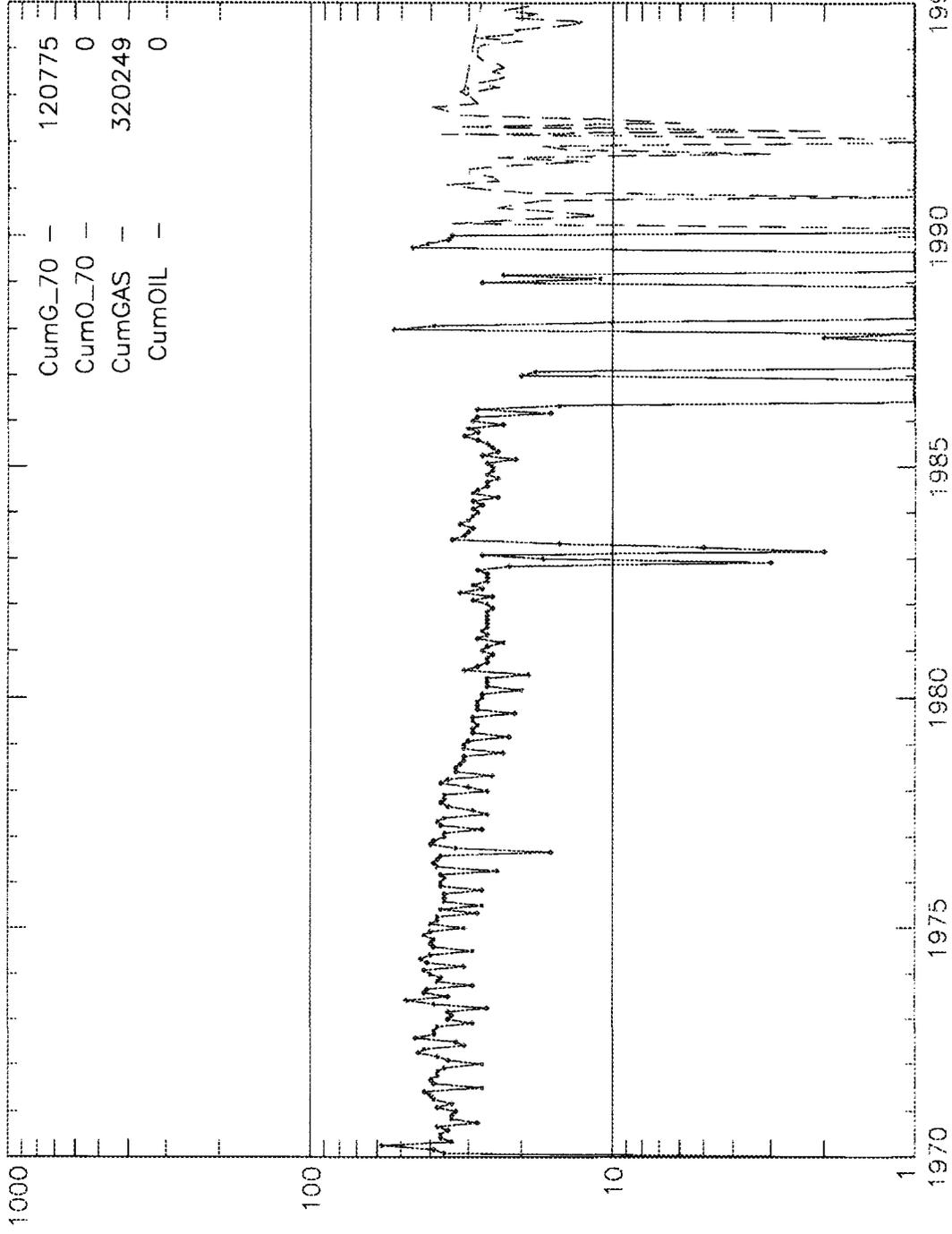
ABRAMS GAS COM D 1  
300450782200PC I292910-001 PC  
Operator- AMOCO PRODUCTION CO  
APC\_WI - 1.00000000



Engr: zdws22

ABRAMS GAS COM D 1  
Operator-- AMOCO PRODUCTION CO

300450782200FT I292910-001 FT APC\_WI - 1.00000000



Curr\_Fit

DCLN  
CurrQ  
RemRes  
EUR  
Fit\_date

New\_fit

DCLN  
CurrQ  
RemRes  
EUR  
Fit\_date

AMOCO PRODUCTION COMPANY  
FARMINGTON DISTRICT

ONSHORE FEDERAL AND INDIAN  
SITE FACILITY DIAGRAM

LEASE NAME & WELL NUMBER ABRAMS GC. D-1

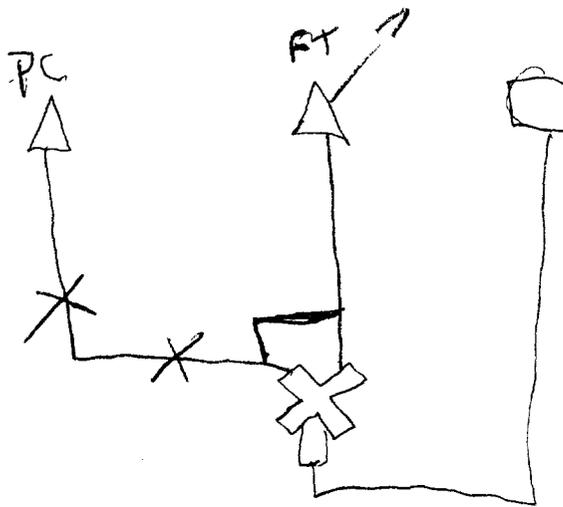
LEASE NUMBER \_\_\_\_\_

COMMUNITIZATION NUMBER \_\_\_\_\_

LOCATION \_\_\_\_\_ SEC. - \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_

This diagram subject to site security plan FOR New Mexico

Sealed valves are normally closed during production phase. Drain line valve to pit open to draw off water and load line valve open to sell condensate.



— X X X X —  
 LINE NO LONGER IN SERVICE

Valve #1 - Sales  
 Valve #2 - DRAIN

- Wellhead
- Production Unit
- Storage Tank
- Dehydrator
- Meter Run
- Pit
- SEALD VALVES