



Southern

Rockies

Business

Unit

December 11, 1996

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

Application for Exception to Rule 303-C - Downhole Commingling
Abrams Gas Com A #1 Well
Unit I Section 26-T29N-R10W
Wildcat:29N10W26I-Farmington Sand and Aztec Pictured Cliffs Pools
San Juan County, New Mexico

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,


Pamela W. Staley

Enclosures

cc: Steve Webb
Pat Archuleta
Wellfile
Proration File
Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

RECEIVED
DEC 20 1996

OIL CON. DIV.
DIST. 3

DISTRICT I
P.O. Box 1980, Hobbs NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

DISTRICT II
811 South First St., Artesia, NM 88210-2835

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

DISTRICT III
1001 Rio Brazos Rd. Aztec, NM 87410-1893

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

X_ Administrative ___ Hearing

EXISTING WELLBORE

___X___ YES ___ NO

Amoco Production Company

PO Box 800 Denver, CO 80201

Operator

Abrams GC A

1

Address

I26, T29N-R10W

San Juan

Lease

Well No.

Unit Ltr. - Sec Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000776

Property Code

000253

API NO. 3004507821

Federal

, State

, (and/or) Fee x

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	WILDCAT:29N10W261-Farmington Sand		Aztec Pictured Cliffs 71280
2. Top and Bottom of Pay Section (Perforations)	1016'-1030' Proposed		1884'-1920'
3. Type of production (Oil or Gas)	Gas	RECEIVED DEC 20 1996	Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing	OIL CON. DIV.	Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated or Measured Original	a. (Current) 450 psig (est) b. (Original) 450 psig (est)	a. DIST. 3 b.	a. 304 psig b. 729 psig
6. Oil Gravity (" API) or Gas BTU Content	1060 btu		1135 btu
7. Producing or Shut-In?	New zone		Producing
Production Marginal? (yes or no)	YES		YES
• If Shut-In, give data and oil/gas/water rates of last production Not: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: 60 MCFD (est) Rates: 0 BCPD 0 BWPD	Date: Rates:	Date: Rates:
• If Producing, give date and	Date:	Date:	Date: 11/96

NEW MEXICO
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat

Date February 24, 1956

Operator Stanolind Oil and Gas Company Lease Abrams Gas Unit A

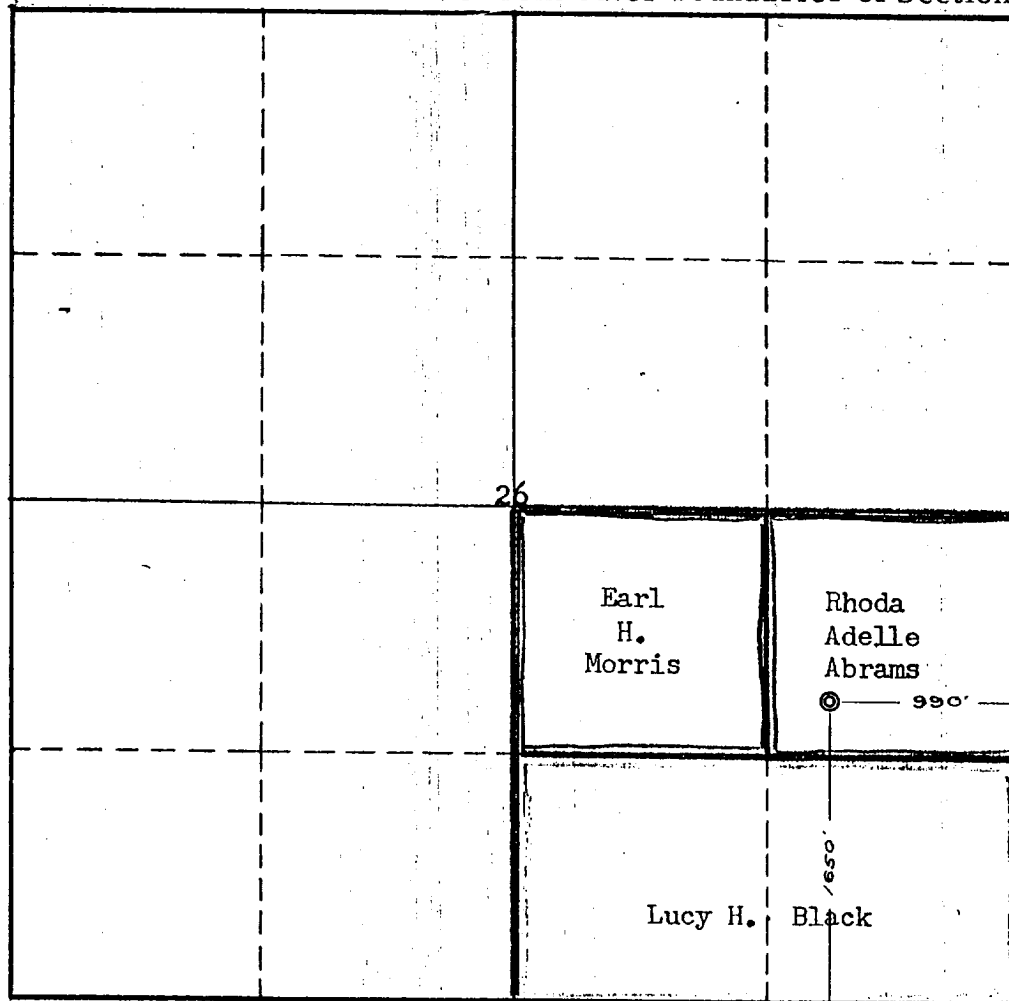
Well No. 1 Section 26 Township 29 North Range 10 West NMPM

Located 1650 Feet From South Line, 990 Feet From East Line,

San Juan County, New Mexico. G. L. Elevation to be reported later

Name of Producing Formation Pictured Cliffs Aztec-
Poo Pictured Cliffs Dedicated Acreage 160

(Note: All distances must be from outer boundaries of Section)



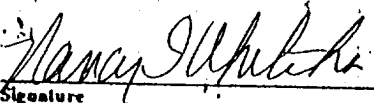
SCALE: 1"=1000'

1. Is this Well a Dual Comp. ? Yes ___ No X.
2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes ___ No X.

Name John M. Clark
Position Field Engineer
Representing Stanolind Oil & Gas Company
Address Box 487, Farmington, New Mexico

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 February 18, 1956
Ernest V. Cochran
Registered Professional Engineer and/or
Land Surveyor FOUR STATES OIL FIELD SURVEYS
FARMINGTON, NEW MEXICO

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 Nancy I. Whitaker. _____ Printed Name Staff Assistant _____ Title 12-12-96 _____ 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. February 18, 1956 _____ Date of Survey Signature and Seal of Professional Surveyor: Ernest T. Eochishawk _____ Certificate Number _____

16.50'

990'

For: zslw11
 Engr: zalc14

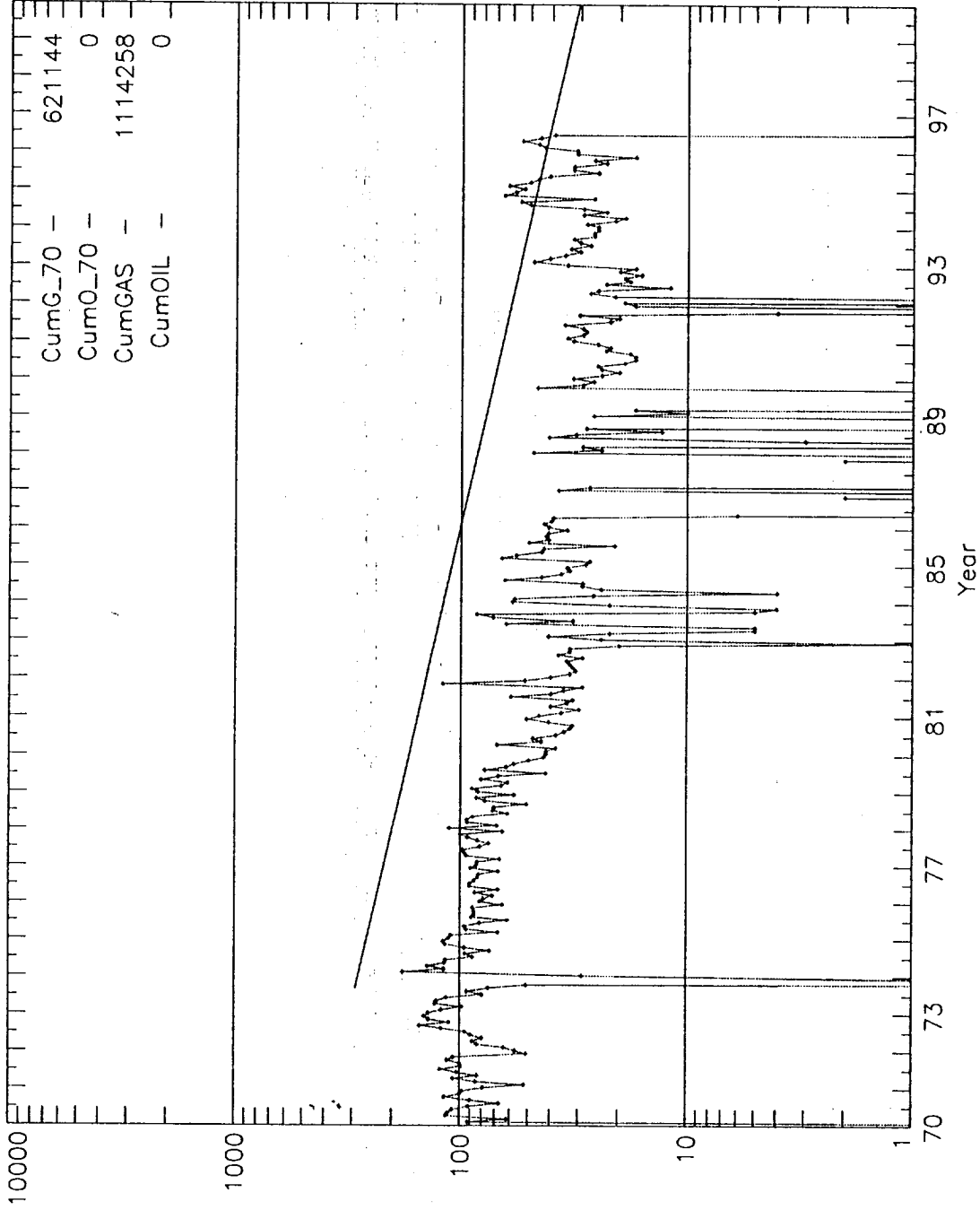
ABRAMS GAS COM /A/ 001I26

300450782100 604PCCF

Operator— AMOCO PROD

APC_WI — 1.0000000

CumG_70 — 621144
 CumO_70 — 0
 CumGAS — 1114258
 CumOIL — 0

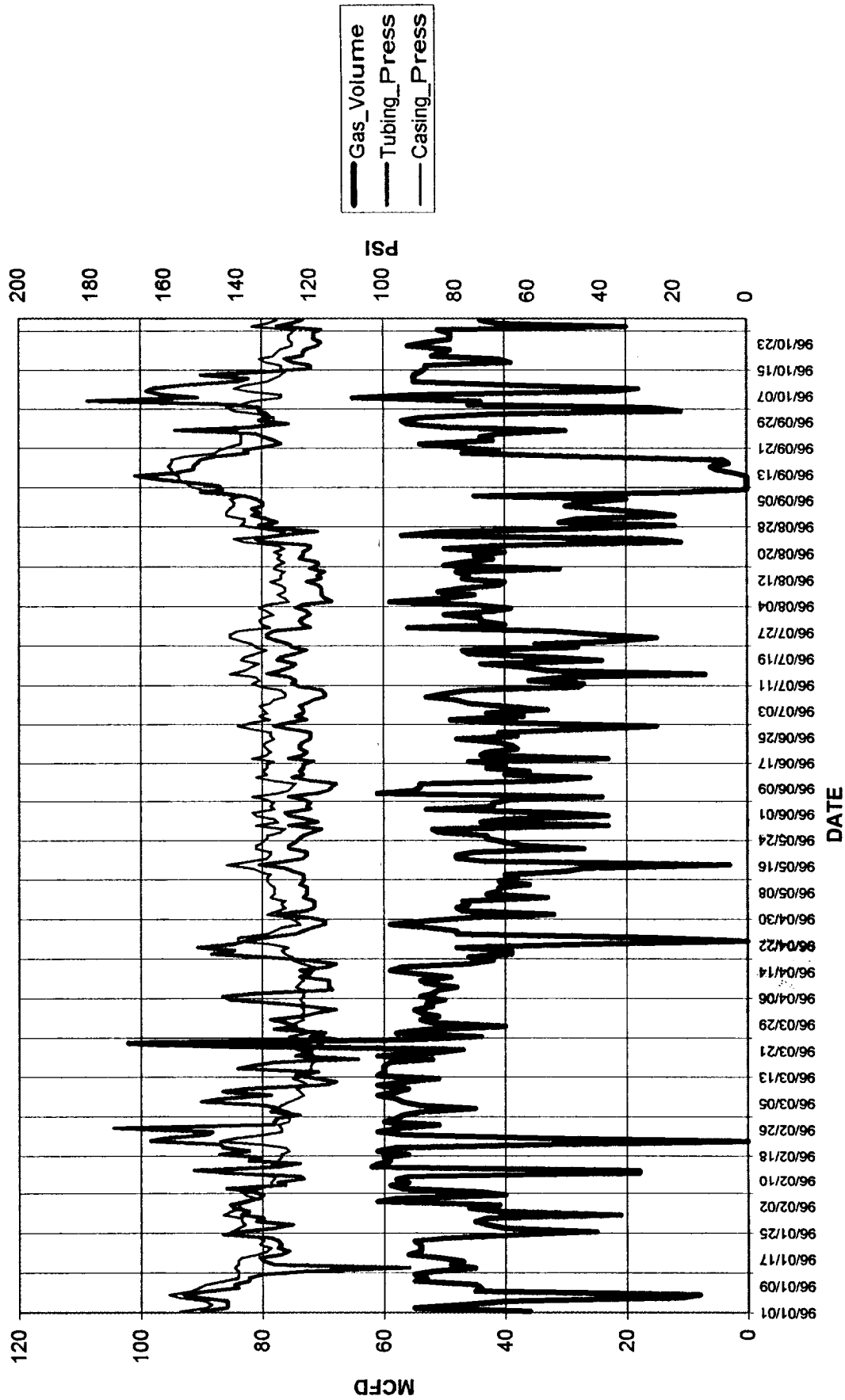


Reserves
 0.0857

Last Op. Forecast by zalc14 in 05/1996

Chart2

Well: ABRAMS GC A 001-PC (92387401)



OTHER DATA TO SUPPORT APPLICATION

Pressure Analysis:

PC:

Original Reservoir Pressure = 729 PSIG

SICP = 160 PSIG 9/96

Mid Perf Depth = 1902'

BHP = $160 + 11.2 + (0.07)(1902)$

BHP = 304 PSIA

Farmington Sand:

Original Reservoir Pressure: Well blew out during drilling in 1956. Had 8.5# native mud in hole.

Depth to Mid-sand = 1023'

Max BHP = $(8.5)(8.33)(0.433 \text{ psi/ft})(1023) = 452 \text{ PSI}$

Some depletion may have occurred from offset McDaniel Gas Com A#1

PRODUCTION ALLOCATION

PC produces 45 MCFD with an 0.086 /year decline. No condensate production.

Gas Allocation proposed to use Subtraction Method

Total Gas Production - PC Gas Production = Farmington Sand Production

Future Production forecast by month is attached for the Pictured Cliffs formation

Oil Allocation proposal: Neither zone is anticipated to produce condensate. Any production should be attributed 100% to the PC if it occurs due to the BTU content of the PC gas.

12/17/96

Page 1

12/17/96

Page 2

12/17/96

Page 3

[illegible]

WELLID	PROD_ZONE	WELLNAME	VOLUME DATE	Avg MCFD
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	8/1/2017	8
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	9/1/2017	8
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	10/1/2017	8
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	11/1/2017	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	12/1/2017	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	1/1/2018	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	2/1/2018	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	3/1/2018	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	4/1/2018	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	5/1/2018	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	6/1/2018	7
300450782100	604PCCF	ABRAMS GAS COM /A/ 0011	7/1/2018	7

OFFSET OPERATORS
Abrams Gas Com A #1

Conoco, Inc.
10 Desta Drive West
Midland, Texas 79705

Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499