



Recd Dec 5, 1994

Southern

Rockies

Business

Unit

November 30, 1994

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-A
Surface Commingling
Michener A LS #4 Well
1170' FNL, 840' FEL, Section 28-T28N-R9W
Blanco Mesaverde, Aztec Pictured Cliffs Pools
San Juan County, New Mexico

Amoco Production Company hereby requests administrative approval to surface commingle production from the Blanco Mesaverde and Aztec Pictured Cliffs Pools in the Michener A LS #4 well referenced above. This well has been shut-in since 1987 and has recently been under repair to eliminate a packer/tubing leak. Prior to shut-in the well was producing about 30 mcf/d from the Mesaverde and less than 10 mcf/d from the Pictured Cliffs formation. Following the repair, the well produced 320 mcf/d from the Mesaverde and 80 mcf/d from the Pictured Cliffs with both zones on compression. Based on this we propose a gas allocation factor of 80% Mesaverde and 20% Pictured Cliffs. Since the Pictured Cliffs produced no liquids, we propose a condensate allocation factor of 100% to the Mesaverde.

The ownership (WI, RI ORRI) of these pools is identical in this wellbore. Surface commingling will offer an economical method of production using a single train of production equipment and a single compressor to improve production from both zones. 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.

Attached to aid in your review are plats showing the location and acreage dedicated to the well, historical production plots and recent testing under compression, and a schematic of the proposed commingling installation. This spacing unit is on a federal lease SF-077107. A copy of the application will be sent to the BLM requesting their consent for the surface commingling.

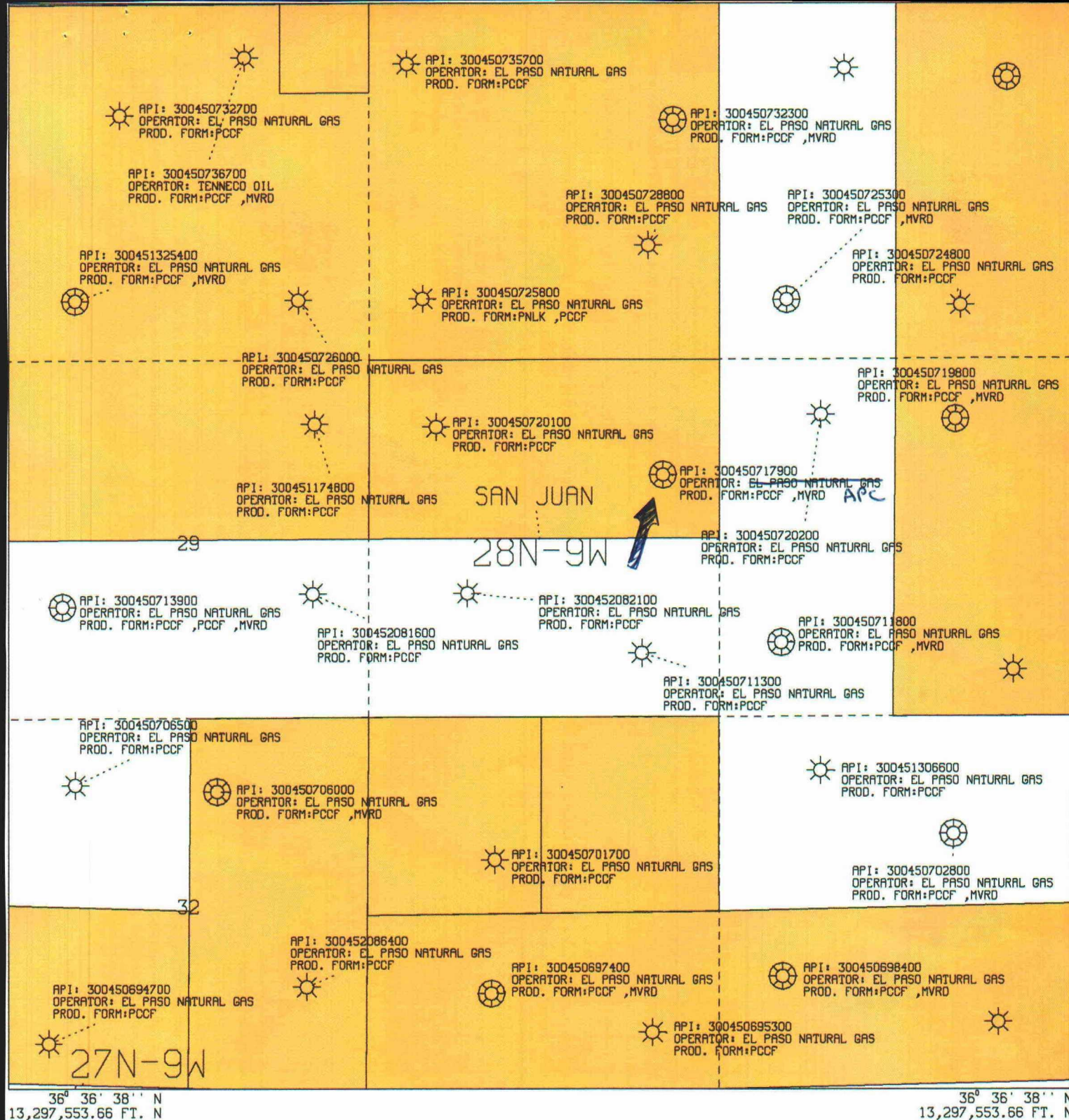
Sincerely,

J. W. Hawkins
J. W. Hawkins

cc: Mike Kutas

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

Duane Spencer
Bureau of Land Management
1235 La Plata Hwy
Farmington, NM 87401



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.

POLYCONIC CENTRAL MERIDIAN - 107° 47' 36'' W LON
SPHEROID - 6

AMOCO PRODUCTION COMPANY
PLAT MAP

OFFSET PC WELLS TO THE
MICHENER A LS 4
SCALE 1 IN. = 2,000 FT. NOV 15, 1994

API: 300450736700
OPERATOR: TENNECO OIL
PROD. FORM: PCCF, MVRD

API: 300452646400
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300452656300
OPERATOR: TENNECO OIL
PROD. FORM: MVRD, DKOT

API: 300450732300
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

20

21

API: 300451325400
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300452658100
OPERATOR: TENNECO OIL
PROD. FORM: MVRD, CHCR

API: 300450725300
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300450722000
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD, CHCR

API: 300450719800
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300451161300
OPERATOR: TENNECO
PROD. FORM: MVRD, DKOT

SAN JUAN

API: 300450717900
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

29

API: 300452648500
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD, DKOT

28N-9W

API: 300450713900
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, PCCF, MVRD

API: 300450715200
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300452637400
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300450711800
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300450715201
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300452637500
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300450706000
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300452644500
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300450705600
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300452656800
OPERATOR: TENNECO OIL
PROD. FORM: MVRD, MENF, CHCR

API: 300450702800
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

32

API: 300450699000
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: MVRD

API: 300450697400
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300450698400
OPERATOR: EL PASO NATURAL GAS
PROD. FORM: PCCF, MVRD

API: 300452656700
OPERATOR: TENNECO OIL
PROD. FORM: MVRD, DKOT

27N-9W

36° 36' 38" N
13,297,553.66 FT. N

36° 36' 38" N
13,297,553.66 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

POLYCONIC CENTRAL MERIDIAN - 107° 47' 36" W LON
SPHEROID - 6

OFFSET MV WELLS TO THE
MICHENER A LS 4
SCALE 1 IN. = 2,000 FT. NOV 15, 1994

WELL LOCATION AND/OR GAS PRORATION PLAT

DATE FEBRUARY 14, 1957

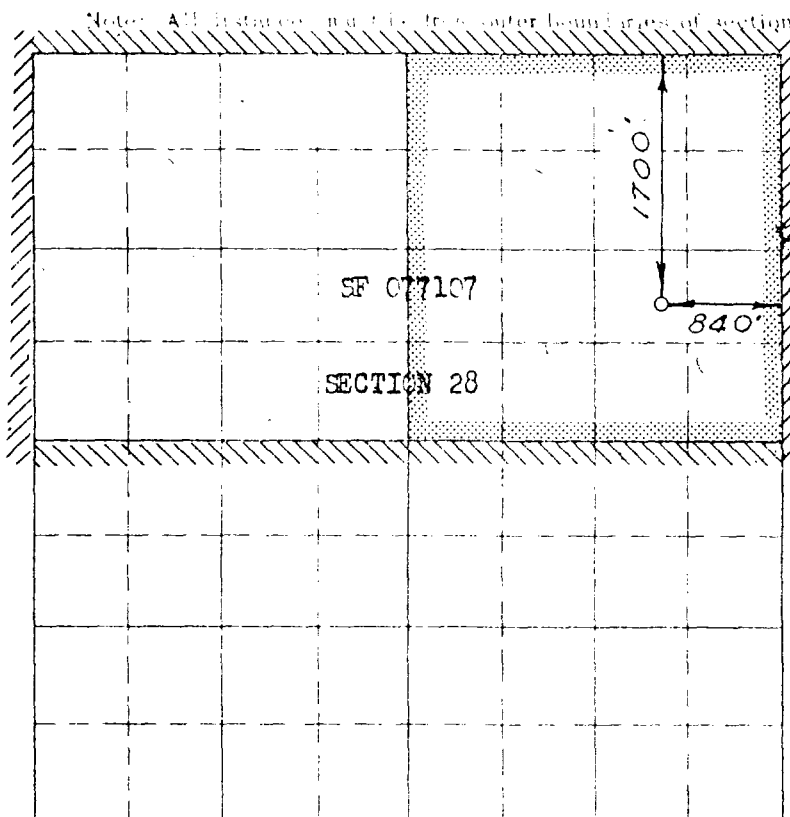
OPERATOR EL PASO NATURAL GAS COMPANY NAME MICHENER "A" SF 077107

WELL NO. 4 (PM) SECTION 28 TOWNSHIP 28-N RANGE 9-W NORTH

LOCATED 1700 FEET FROM NORTH LINE 840 FEET FROM EAST LINE

SAN JUAN COUNTY, NEW MEXICO ELEVATION 6843

LAND BEING SURVEYED BY P.C. & M.V. AZTEC EXTEN. P.C. 160 AC. P.C.
BLANCO M.V. 320 AC. M.V.
(1919 PLAT)



Scale 4 inches equal 1 mile

NOTE
This section of
form is to be used
for gas wells only

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 JANUARY 23, 1957

E. A. Walker
Registered Professional Engineer and/or Land Surveyor

1. Is this well a Dual Comp.

Yes X No _____

2. If the answer to Question 1

is yes, are there any other fully
completed wells within the
dedicated acreage.

Yes _____ No X

Name Original Signed EWELL N. WALSH

Position Petroleum Engineer

Representing El Paso Natural Gas Co.

Address Box 997, Farmington, N.M.

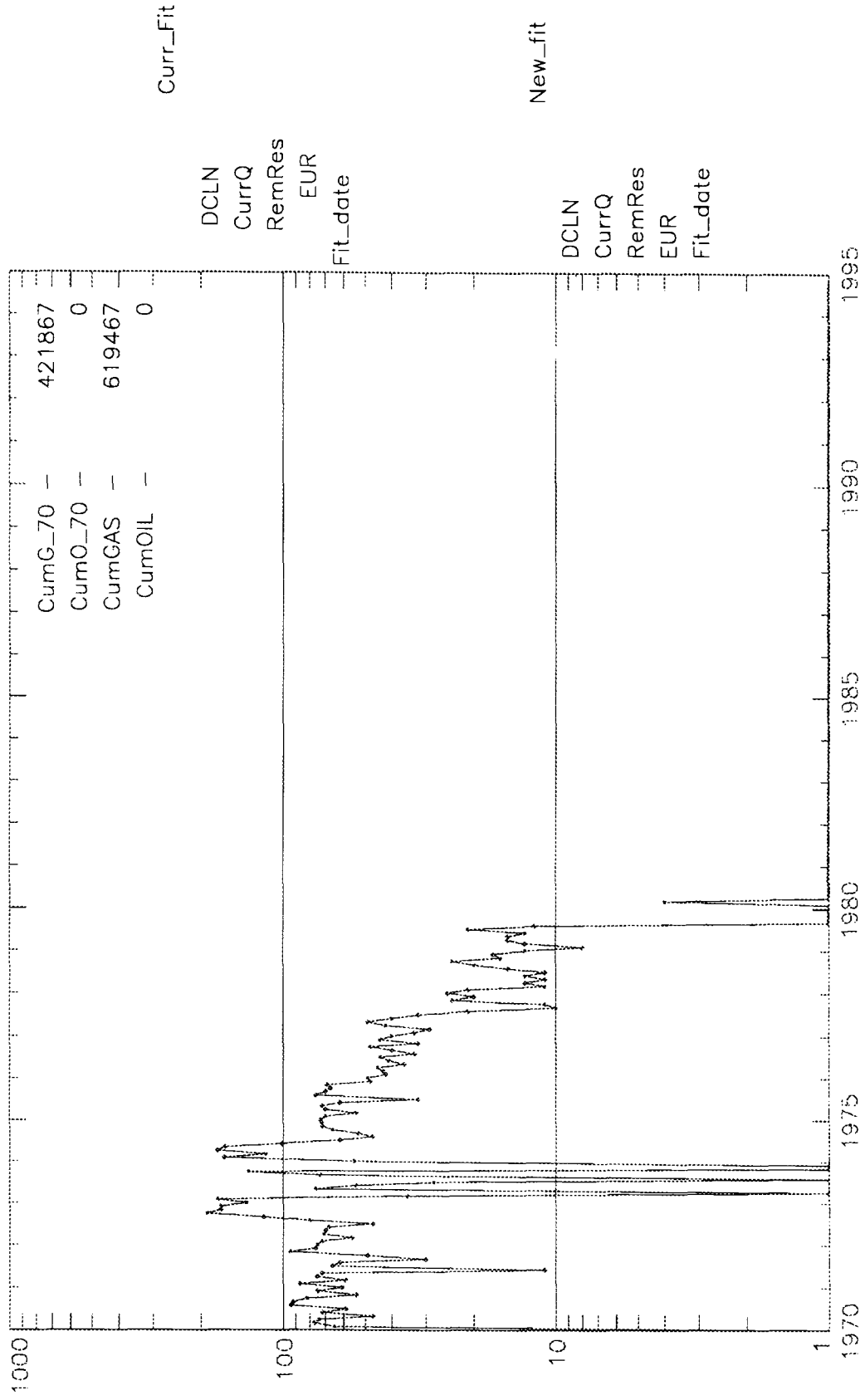
Engr: zgmk04

MICHENER A LS 4

Operator- AMOCO PRODUCTION CO

300450717900PC H282809-004 PC

APC_WI - 0.500000000



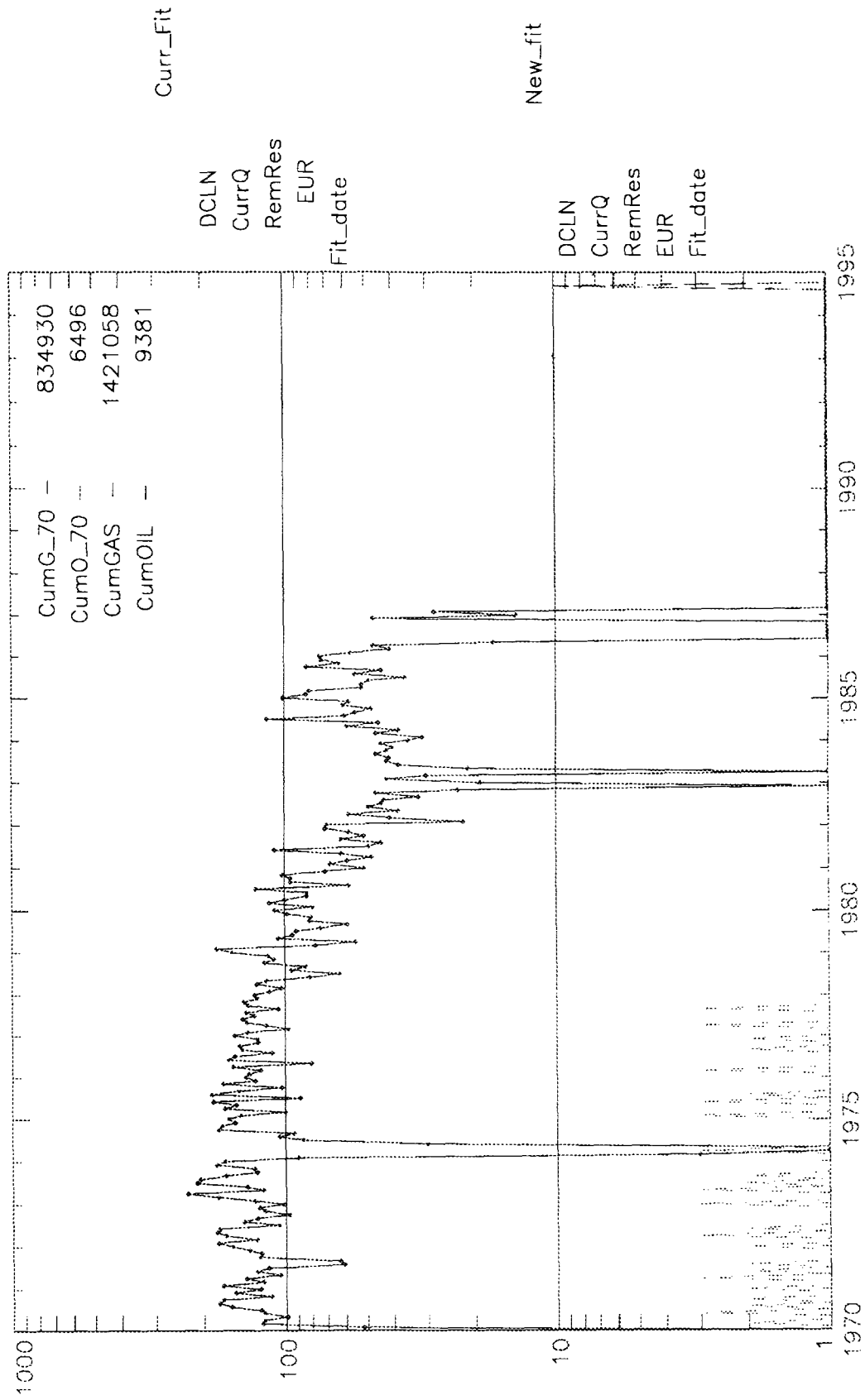
Engr: zgmk04

MICHENER A LS 4

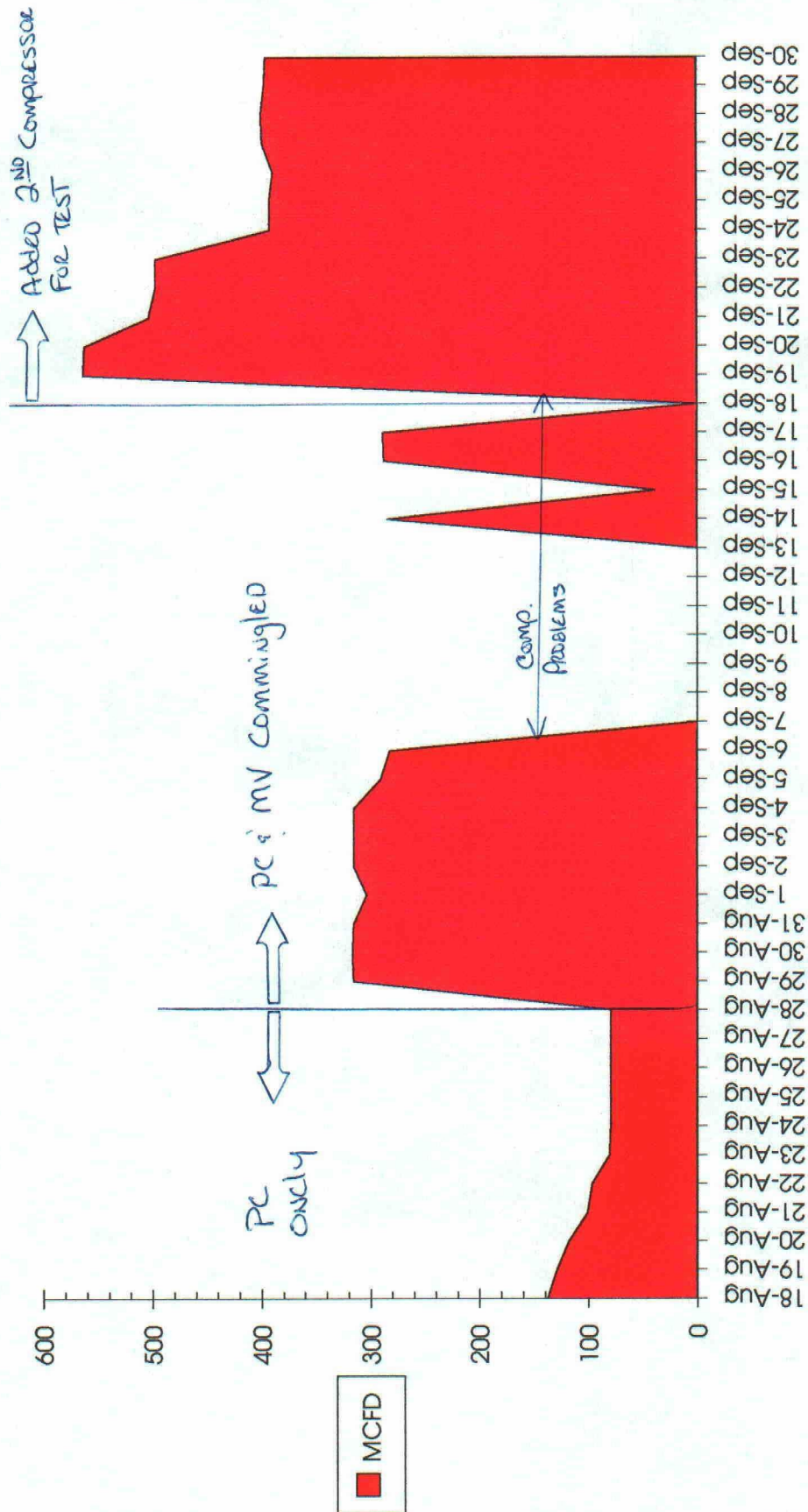
Operator-- AMOCO PRODUCTION CO

300450717900MV H282809-004 MV

APC_WI - 0.50000000



Michener A LS 4 PC/MV Compressor Test



ONSHORE FEDERAL AND INDIAN SITE FACILITY DIAGRAM

This diagram subject to site security plan Yes

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.

