Ch 7e

AMOCO

Southern
Rockies
Business
Unit

April 4, 1996

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

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APR - 8 1996
OIL CON. DIV.
DIST. 3

Application for Exception to Rule 303-C
Downhole Commingling 30-045-06222
Jack Frost B#1 Well
Unit P Section 27-T27N-R10W
Angels Peak Gallup (Pool IDN 2170) and Basin Dakota (Pool IDN 71599) Pools
San Juan County, New Mexico

Enclosed please find an administrative application form (Form C-107-A) and attachments for downhole commingling for the captioned well.

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

Sincerely,

Pamela W. Staley

Pamela W. Staley

Enclosures

cc: Steve Webb
Gail Jefferson
Wellfile
Proration File

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

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

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

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

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S Pacheco
Santa Fe, New Mexico 87505-6429

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

APPROVAL PROCESS:

X Administrative __ Hearing

EXISTING WELLBORE
x YES __ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Amoco Production Company (Operator)		P.O. Box 800 Denver, CO 80201 (Address)	
Jack Frost B (Lease)	1 (Well No.)	P-27-27N-10W (Unit Ltr. - Sec Twp - Rge)	San Juan (County)

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000563 API NO. 3004506222 Federal x 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	ANGELS PEAK GALLUP 2170		BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	6161 - 6187'		6824' - 6925'
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	a. (Current) 855 PSI	a.	a. 996 PSI
	b. (Original) 1110 PSI	b.	b. 2304 PSI
6. Oil Gravity (° API) or Gas BTU Content	1190 BTU		1276 BTU /59.3 DEG API
7. Producing or Shut-In?	SHUT-IN (NEVER CONNECTED TO SALES)		PRODUCING
Production Marginal? (yes or no)	YES		YES
• If Shut-In, give data and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: (EST) Rates: 40 MCFD 2 BCPD 0 BWPD	Date Rates:	Date Rates:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 1/96 Rates: 74 MCFD 1.04 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 66 %: Gas 35 %	Oil: %: Gas %	Oil: 34 %: Gas 65 %

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9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? _X_ Yes ___ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ___ Yes ___ No
Have all offset operators been given written notice of the proposed downhole commingling? _X_ Yes ___ No

11. Will cross-flow occur? ___ Yes _X_ No If yes, are fluids compatible will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ___Yes ___ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? _X_ Yes ___ No

13. Will the value of production be decreased by commingling? ___ Yes _X_ No (If Yes, attach explanation)

15. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the Untied States Bureau of Land Management has been notified in writing of this application. _X_ Yes ___ No SF-077951-A

16. ATTACHMENTS:
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of all offset operators.
- Notification list of working, overriding, and royalty interests for uncommon interest cases.
- Any additional statements, data, or documents required to support commingling.

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

SIGNATURE [signature] TITLE REGULATORY AFFAIRS REP DATE 4/4/96

TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344

Form C-128 (6-57)

W MEXICO OIL CONSERVATION COMMI' 'N

Well Location and Acreage Dedication Plat

Section A.

Date February 19, 1959

Operator PAN AMERICAN PETROLEUM CORPORATION Lease JACK FROST "B"

Well No. 1 Unit Letter P Section 27 Township 27 NORTH Range 10 WEST NMPM

Located 1190 Feet From SOUTH Line, 895 Feet From EAST Line

County SAN JUAN G. L. Elevation * Dedicated Acreage 160 Acres

Name of Producing Formation Dakota Pool Angels Peak Dakota

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
   Yes ____ No X *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 X No ____. If answer is "yes", Type of Consolidation.
   Communitized Acreage
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner	Land Description
(REVISED PLAT TO SHOW CHANGE IN WELL LOCATION)	

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.

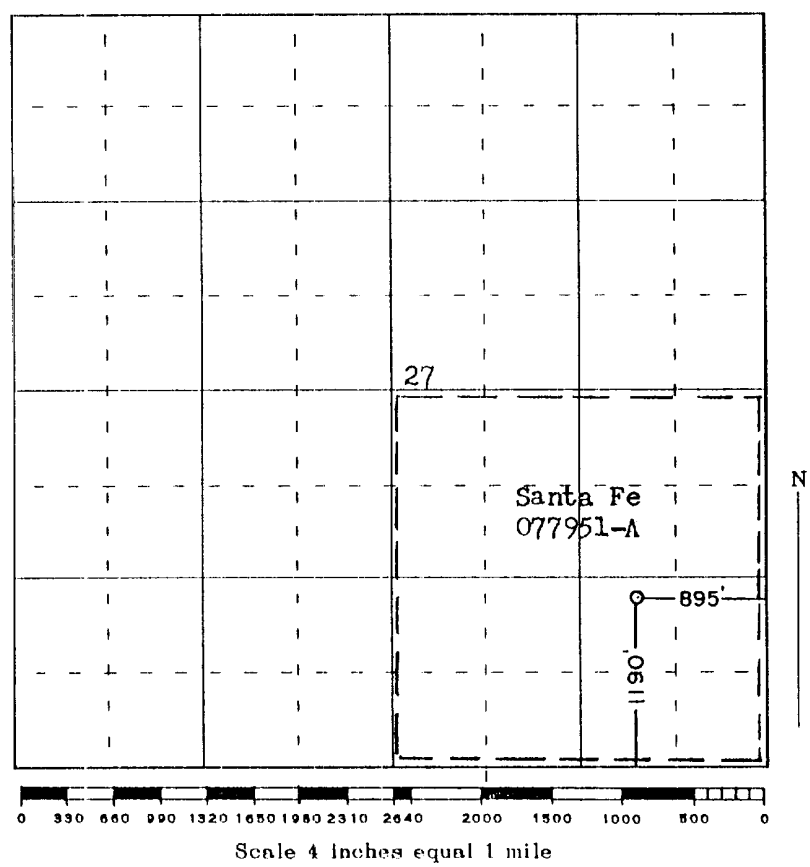
PAN AMERICAN PETROLEUM CORPORATION
(Operator)

R. M. Bauer, Jr. RMBauer, Jr.
(Representative)

Box 487, Farmington, New Mexico
(Address)

REF. GLO PLAT DATED 19 JULY 1915

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



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.

(Seal)

Date Surveyed 14 February 1959

James P. Leese

Registered Professional Engineer and/or Land Surveyor

James P. Leese N. Mex. Reg. No. 1463

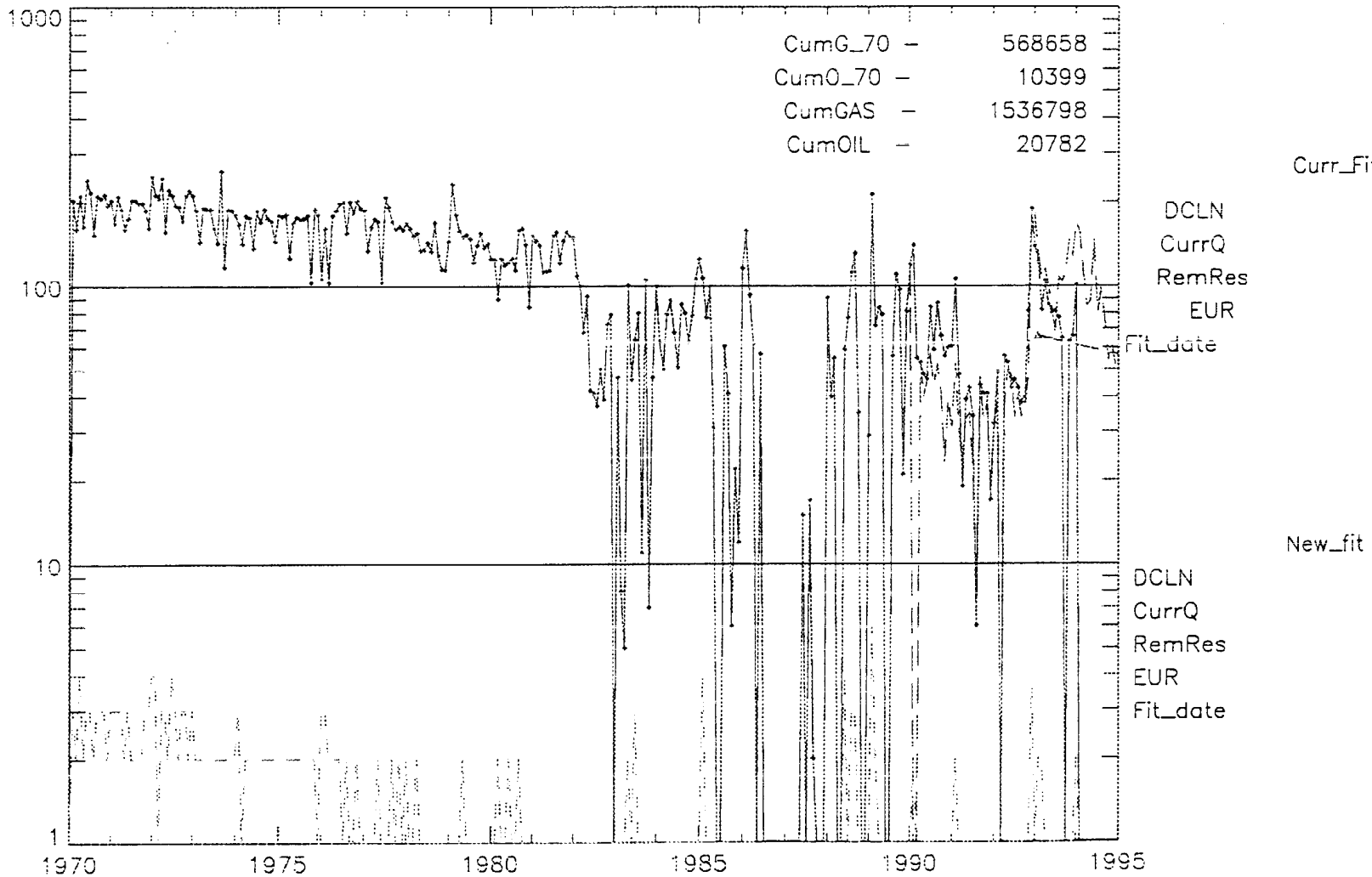
Farmington, New Mexico

Engr: zdws22

JACK FROST B 1

Operator– AMOCO PRODUCTION CO

300450622200DK P272710–001 DK APC_WI – 0.62500000

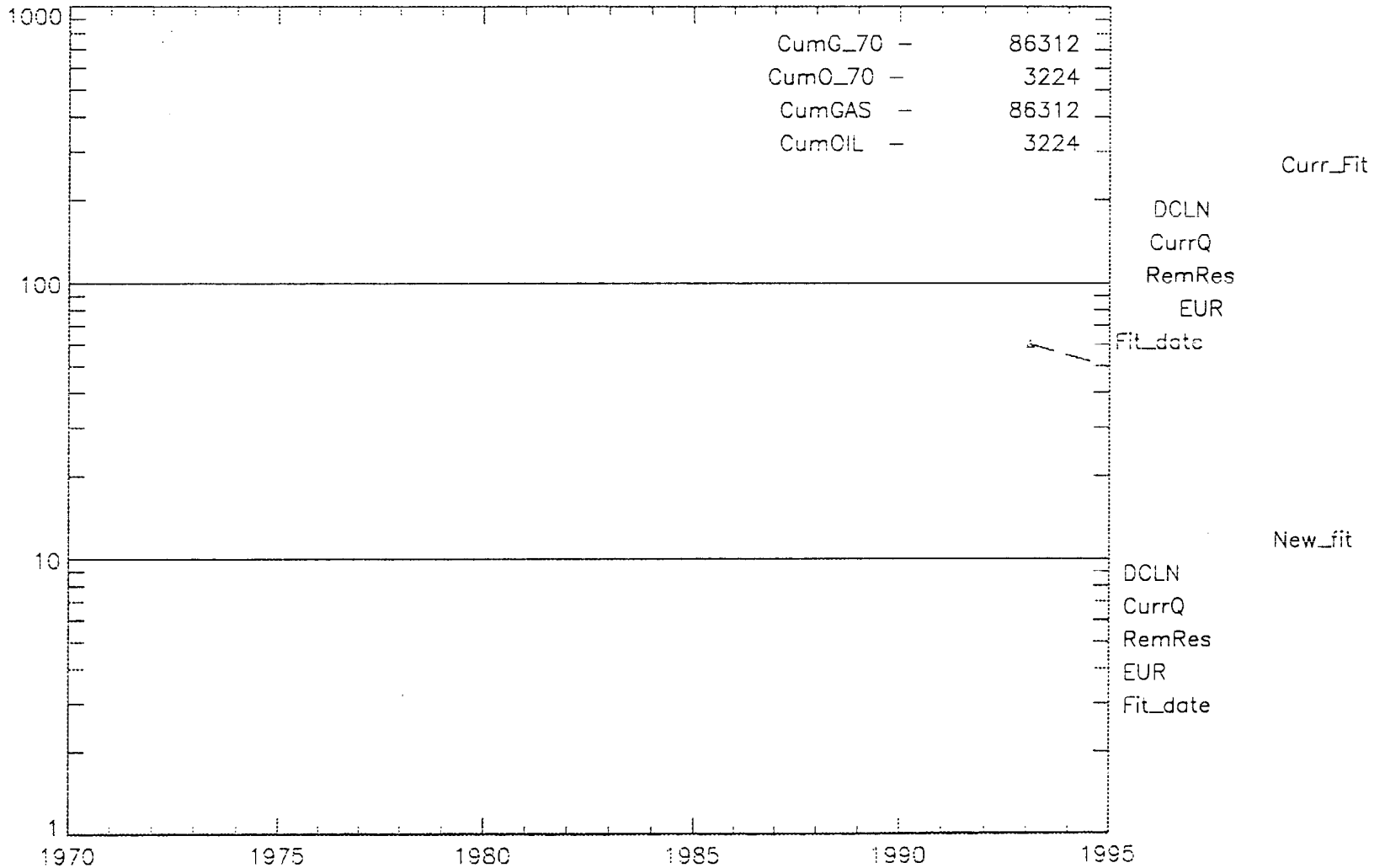


Engr: zdws22

JACK FROST B 1

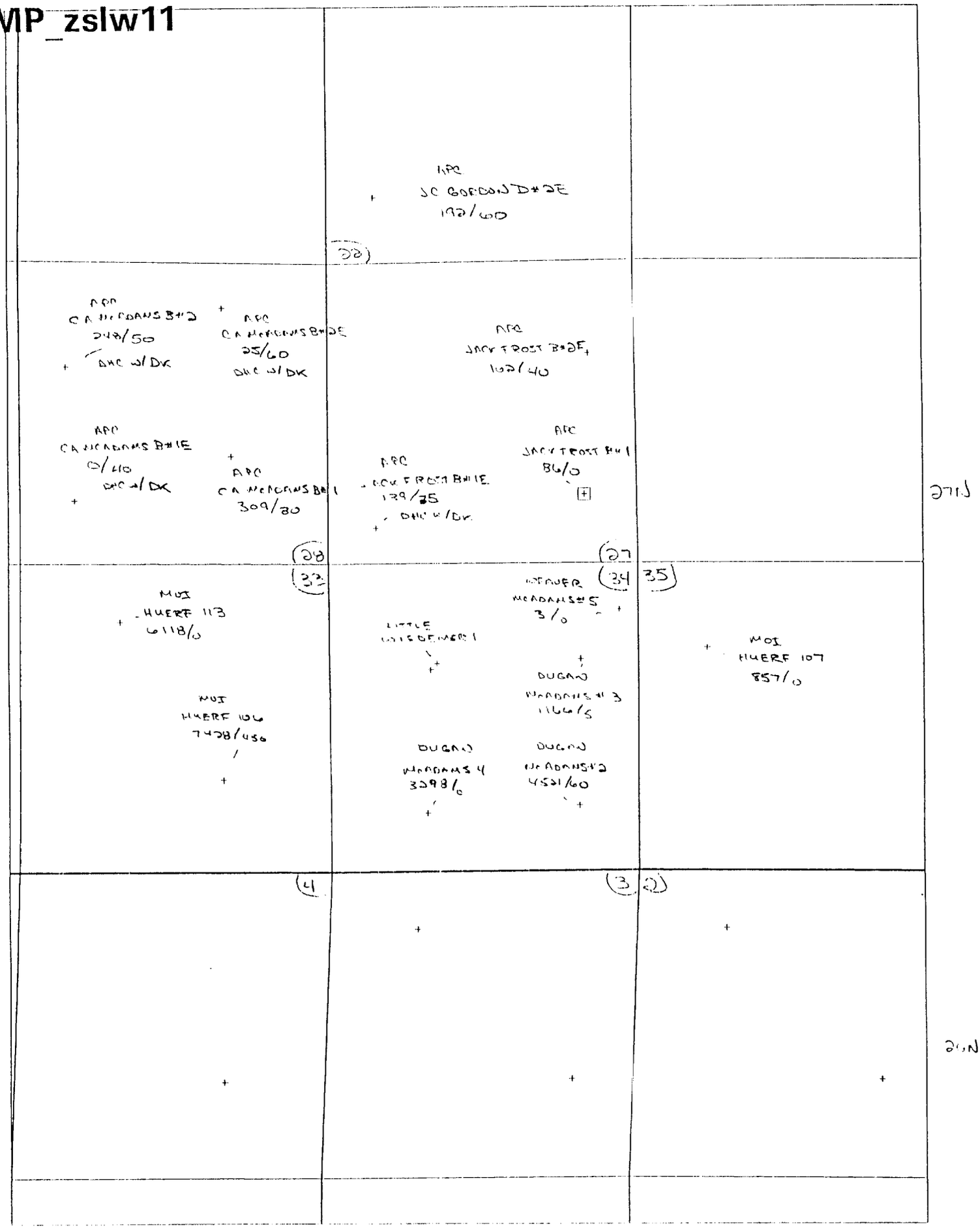
Operator- AMOCO PRODUCTION CO

300450622200GP P272710-001 GP APC_WI - 0.62500000



EMP_zslw11

- GP WELLS -



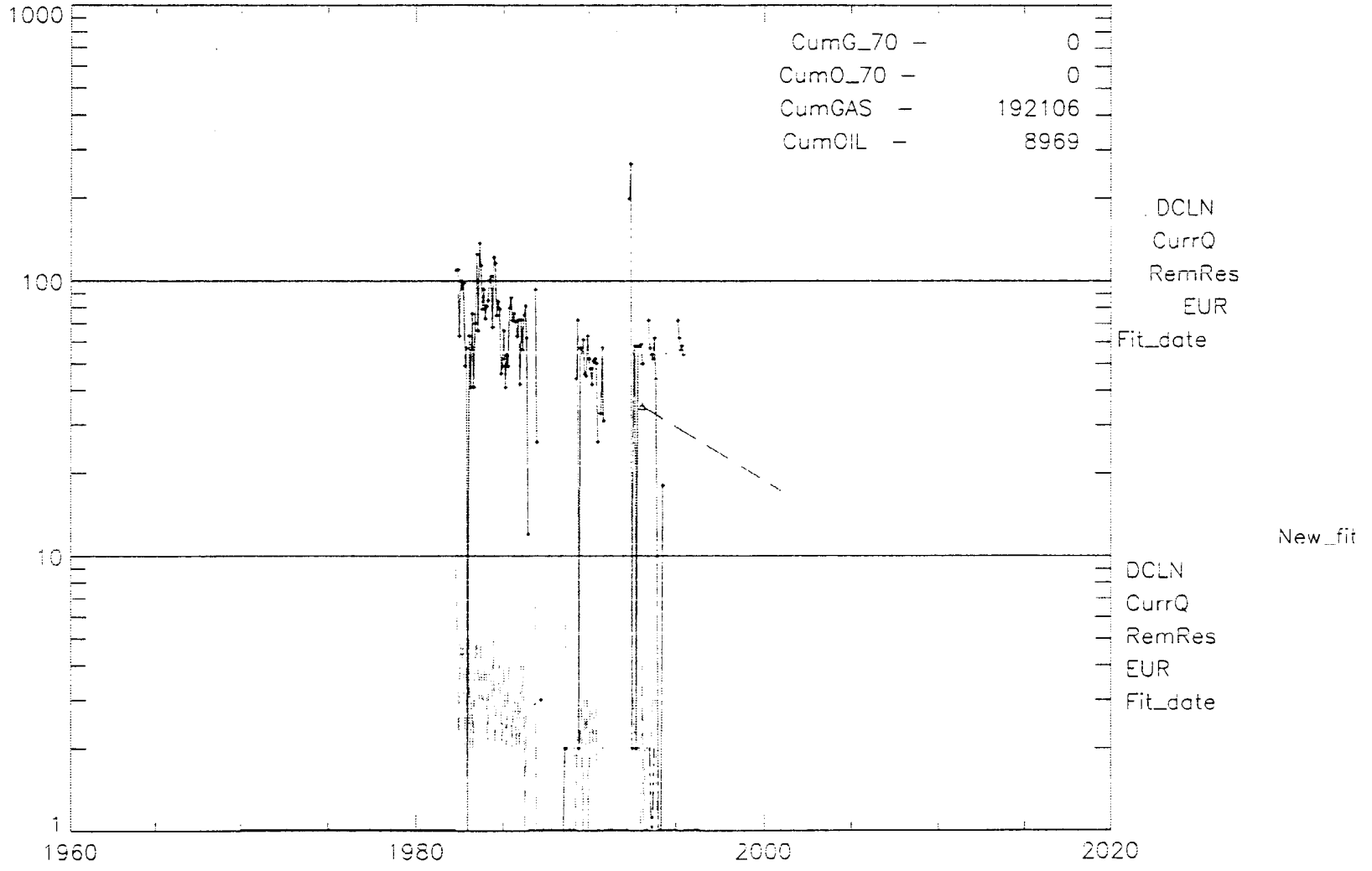
OFFSET USED TO ESTIMATE
GALLUP PRODUCTION

Engr: zslw11

J C GORDON D 2E

Operator– AMOCO PRODUCTION CO

300452410000GP M222710–002EGP APC_WI – 0.62500000



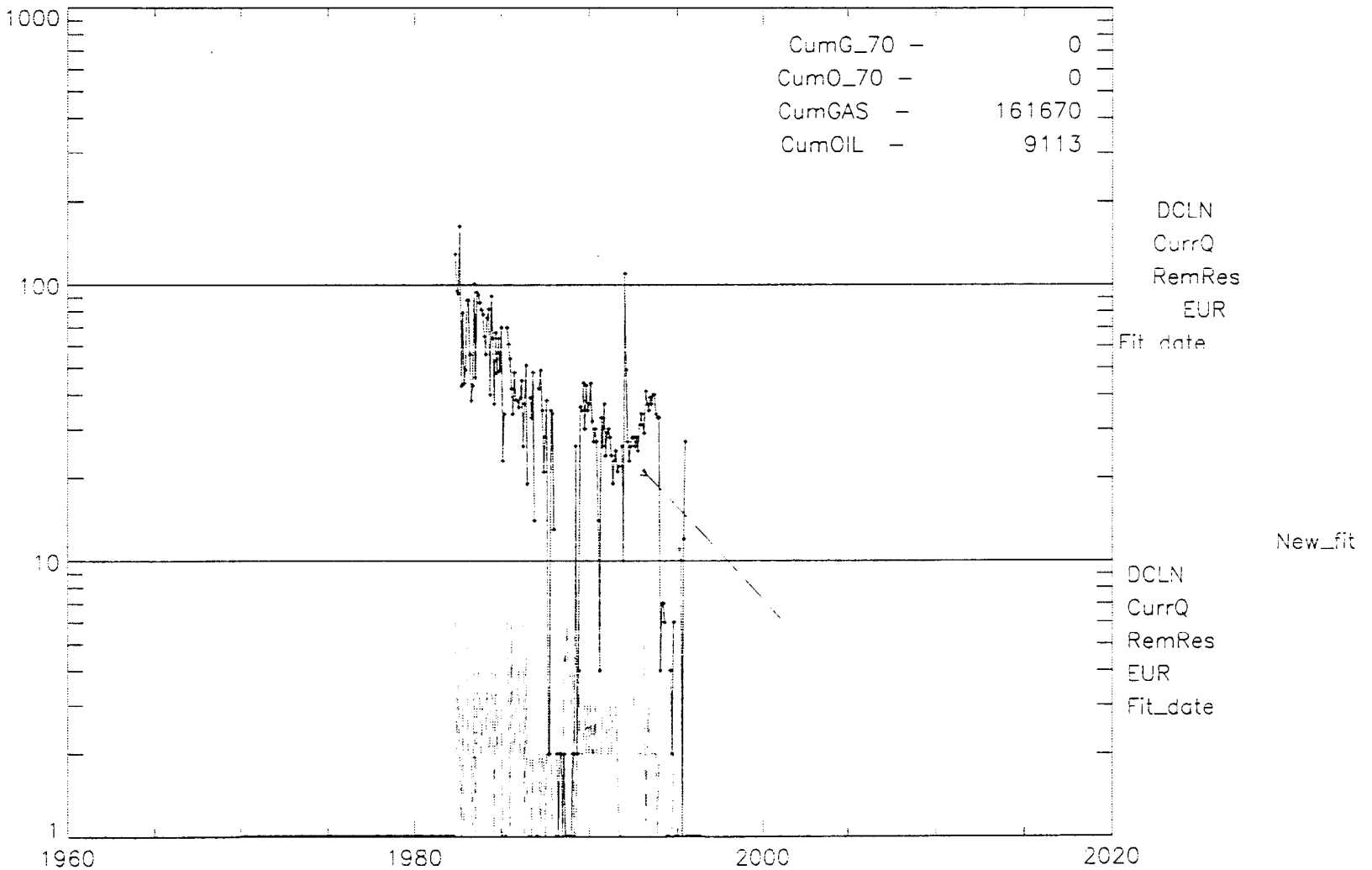
OFFSET USED TO ESTIMATE GALLUP PRODUCTION

Engr: zslw11

JACK FROST B 2E

Operator- AMOCO PRODUCTION CO

300452437200GP H272710-002EGP APC_WI - 0.62500000



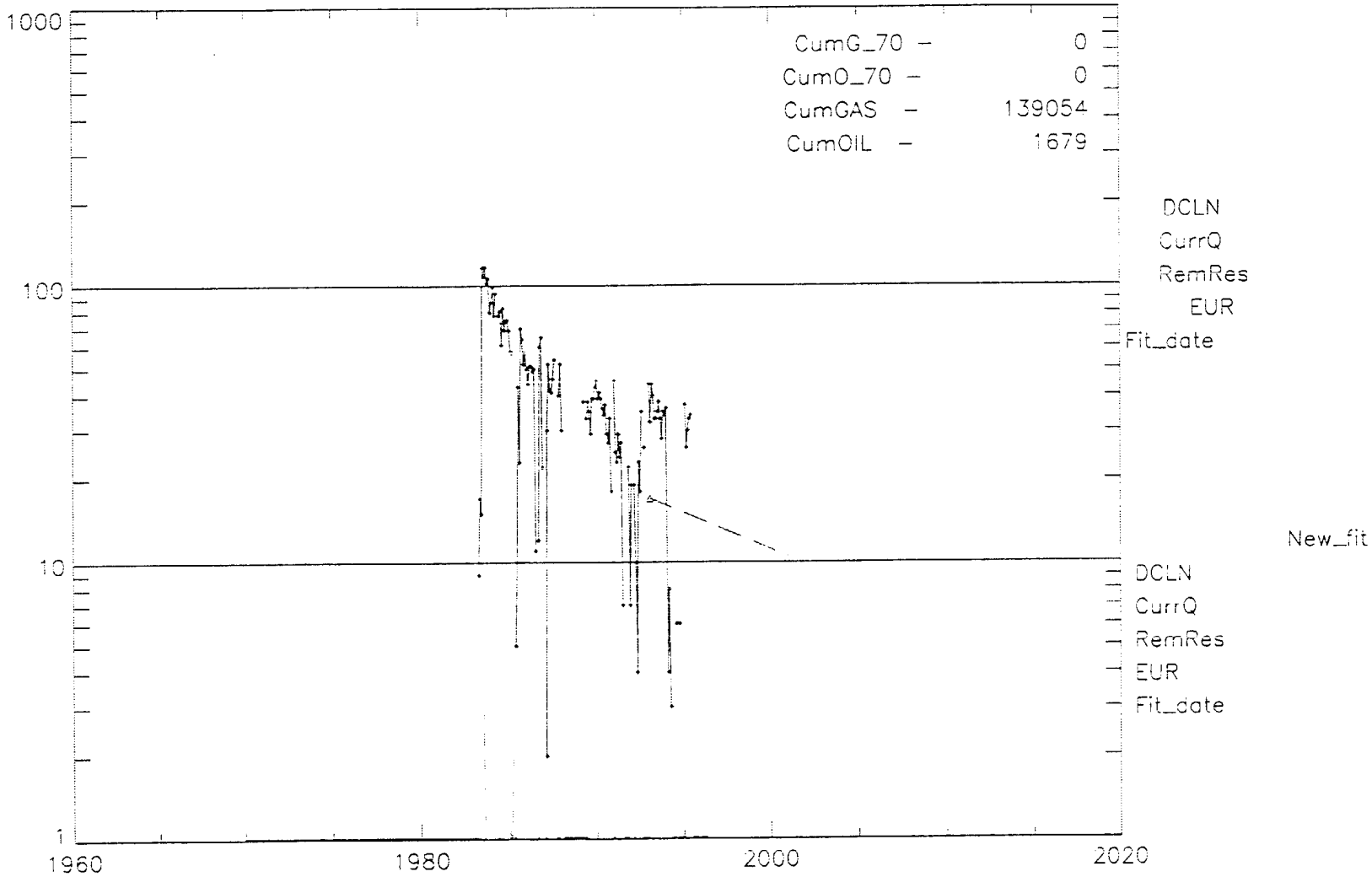
OFFSET USED TO ESTIMATE GALLUP PRODUCTION

Engr: zsiw11

JACK FROST B 1E

Operator- AMOCO PRODUCTION CO

300452435600GP M272710-001EGP APC_WI - 0.62500000



OFFSET USED TO ESTIMATE
GALLUP PRODUCTION

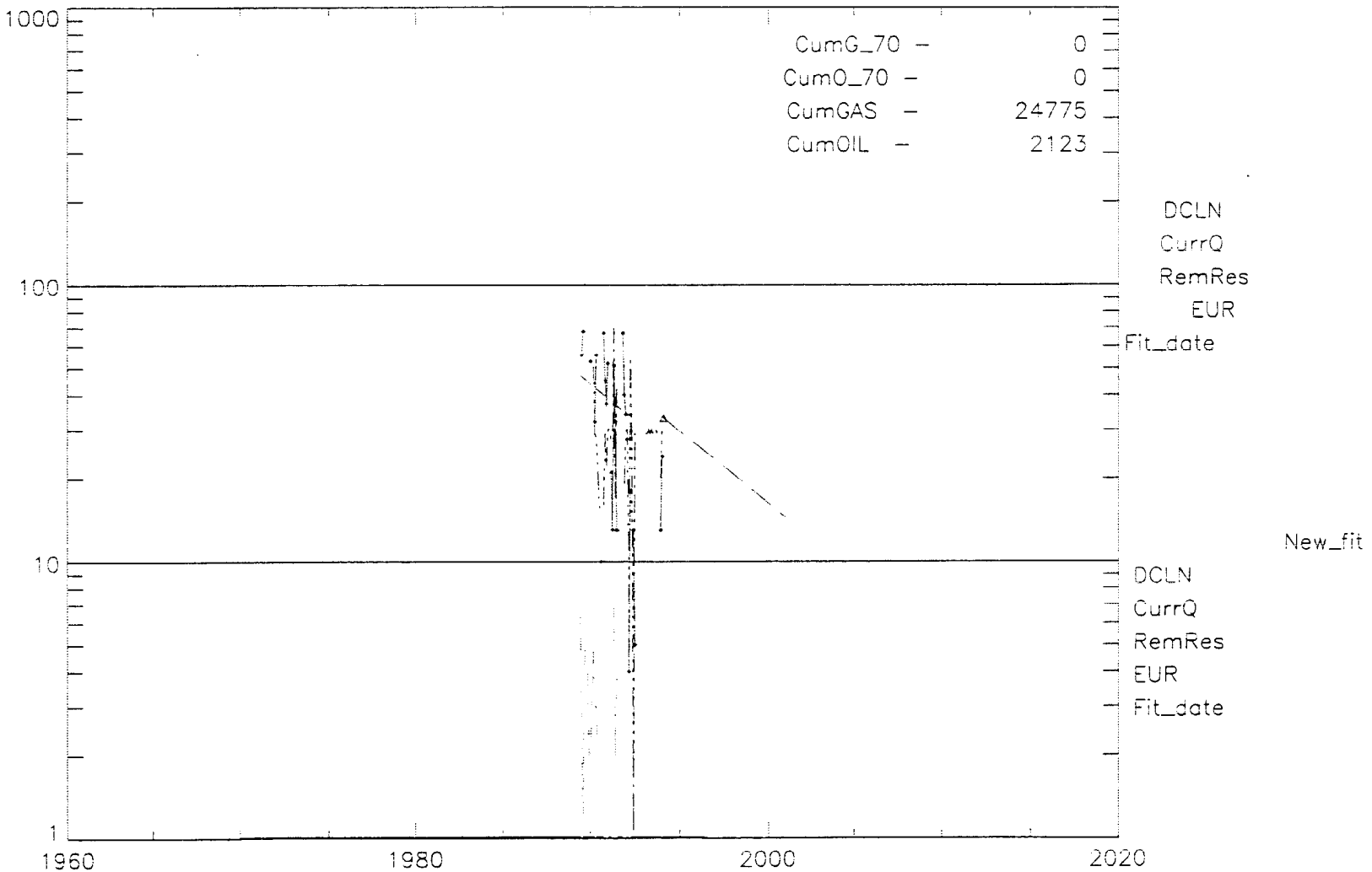
Engr: zslw11

C A MCADAMS B 2E

Operator– AMOCO PRODUCTION CO

300452632300GP B282710–002EGP

APC_WI – 0.62500000



LIST OF ADDRESSES FOR OFFSET OPERATORS
Jack Frost B#1 Well

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499

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

Dugan Production Corporation
P.O. Box 420
Farmington, New Mexico 87499