

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

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

|                                      |                                                                        |
|--------------------------------------|------------------------------------------------------------------------|
| WELL API NO.                         | 3004525462                                                             |
| 5. Indicate Type of Lease            | STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.         |                                                                        |
| 7. Lease Name or Unit Agreement Name | Riddle Corn A                                                          |
| 8. Well No.                          | 1M                                                                     |
| 9. Pool name or Wildcat              | Basin Dakota/Blanco MV                                                 |

|                                                                                                                                                                                                                   |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)     |                          |
| 1. Type of Well:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER                                                                                                          |                          |
| 2. Name of Operator<br>Amoco Production Company                                                                                                                                                                   | Attention: Patty Haefele |
| 3. Address of Operator<br>P.O. Box 800 Denver Colorado 80201 (303) 830-4988                                                                                                                                       |                          |
| 4. Well Location<br>Unit Letter <u>I</u> : <u>1590</u> Feet From The <u>South</u> Line and <u>570</u> Feet From The <u>East</u> Line<br>Section <u>9</u> Township <u>27N</u> Range <u>9W</u> NMPM San Juan County |                          |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br>6170' KB                                                                                                                                                    |                          |

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐  
OTHER: Repair; possible DHC ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Amoco Production Company intends to repair the packer in the subject well; and/or a possible downhole commingle per the attached procedure.

RECEIVED  
MAY 22 1995  
OIL CON. DIV.  
DIST. 3

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

SIGNATURE Patty Haefele TITLE Staff Assistant DATE 05-18-1995  
TYPE OR PRINT NAME Patty Haefele TELEPHONE NO. (303) 830-4988

(This space for State Use)

APPROVED BY Johnny Robinson TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAY 22 1995  
CONDITIONS OF APPROVAL, IF ANY:



## SJOET Well Work Procedure

**Wellname:** Riddle COM A 1 M  
**Version:** #1  
**Date:** April 25, 1995  
**Budget:** Expense, Well Servicing  
**Workover Type:** Packer Repair

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### Objectives:

During a recent Packer Leakage Test, communication was noted between the DK and MV horizons.

1. The tubing will be hydrotested, pulled, and the seal assembly checked.
2. If above does not locate problem, packer will be milled up.
3. Place well back on production

\*NOTE: BEFORE REPLACING PACKER, PLEASE CONTACT DENVER ABOUT POSSIBLE DOWNHOLE COMMINGLING.

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### Pertinent Information:

|            |                                |          |                  |
|------------|--------------------------------|----------|------------------|
| Location:  | 1590' FSL, 570' FEL, I9-27N-9W | Horizon: | DK/MV (DUAL)     |
| County:    | San Juan                       | API #:   | 30-045-25462     |
| State:     | New Mexico                     | Engr:    | Mark Rothenberg  |
| Lease:     | FEE                            | Phone:   | W--(303)830-5612 |
| Well Flac: |                                |          | H-(303)696-7309  |

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### Economic Information:

|                       |          |                         |         |
|-----------------------|----------|-------------------------|---------|
| APC WI:               | 100%     | MV Prod. Before Repair: | 10 MCFD |
| Estimated Cost:       | \$30,000 | MV Anticipated Prod.:   | 85 MCFD |
| Payout:               | 8 months | DK Prod. Before Repair  | 75 MCFD |
| Max Cost -12 Mo. P.O. | \$46,271 | DK Anticipated Prod.:   | 75 MCFD |
| PV15:                 | \$M      |                         |         |
| Max Cost PV15:        | \$M      |                         |         |

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\*Note: *Economics run based upon 160 MCFD production vs 0 MCFD.*

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### Formation Tops: (Estimated formation tops)

|                  |      |                |      |
|------------------|------|----------------|------|
| Nacimiento:      |      | Menefee:       | 3822 |
| Ojo Alamo:       | 1309 | Point Lookout: | 4472 |
| Kirtland Shale:  | 1399 | Mancos Shale:  | 4631 |
| Fruitland:       | 2050 | Gallup:        | 5646 |
| Pictured Cliffs: | 2183 | Greenhorn:     | 6416 |
| Lewis Shale:     | 2249 | Graneros:      | 6472 |
| Chacra:          | 2700 | Dakota:        | 6504 |
| Cliffhouse:      | 3763 | Morrison:      | 6754 |

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### Bradenhead Test Information:

| Test Date: | Tubing: | Casing: | BH: |     |
|------------|---------|---------|-----|-----|
| Time       | BH      | CSG     | INT | CSG |
| 5 min      |         |         |     |     |
| 10 min     |         |         |     |     |
| 15 min     |         |         |     |     |

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Comments:

Suggested Procedures:

1. Contact Federal or State agency prior to starting repair work.
2. Install and/or test anchors.
3. MIRUSU. Check and record tubing, casing and bradenhead pressures.
4. Blow well down DO NOT kill well. WORK WELL HOT.
5. Set, by slickline, a tubing plug in the short string. Set, by slickline, a tubing plug long string. Remove wellhead and NU BOP.
6. Lay blooie line for hot well work. Blow down tbg, then csg. Strap out of hole with both strings. Look for leak in long string above seal assembly. Have both strings of tbg inspected in the yard for leaks.  
\*\*\*NOTE: DURING BOTH PREVIOUS WORKOVERS ON THIS WELL, LONGSTRING GOT STUCK IN PACKER. IN 1986 TBG WAS CUT AND FISHED OUT, IN 1988 TBG WAS WORKED LOOSE.
7. Inspect packer assembly. Replace tubing/seals, as necessary. Relay results of packer assembly and tubing test to Mark Rothenberg (303-830-5612) in Denver. If above are the problem, TIH with both strings of tubing, adding joints to land long string (OPEN ENDED) at 6718'. Remove joints from short string and land (OPEN ENDED) at a depth of 4530'.
8. If neither the tubing or seals has failed, pick up tubing and bit and mill out packer with either air mist or nitrogen. Pluck packer out of hole.
9. Clean out hole to TD.
10. DO NOT REPLACE PACKER--CONTACT DENVER ABOUT DOWNHOLE COMMINGLING (see if approval has been obtained).
11. TIH with tubing and land (OPEN ENDED) at 6718'.
12. Flow back the DK and MV, swabbing or utilizing Nitrogen as necessary. Tie well back into surface equipment and turn over to production.

*If problems are encountered, please contact:*

*MARK ROTHENBERG  
(W) (303) 830-5612  
(H) (303) 696-7309*

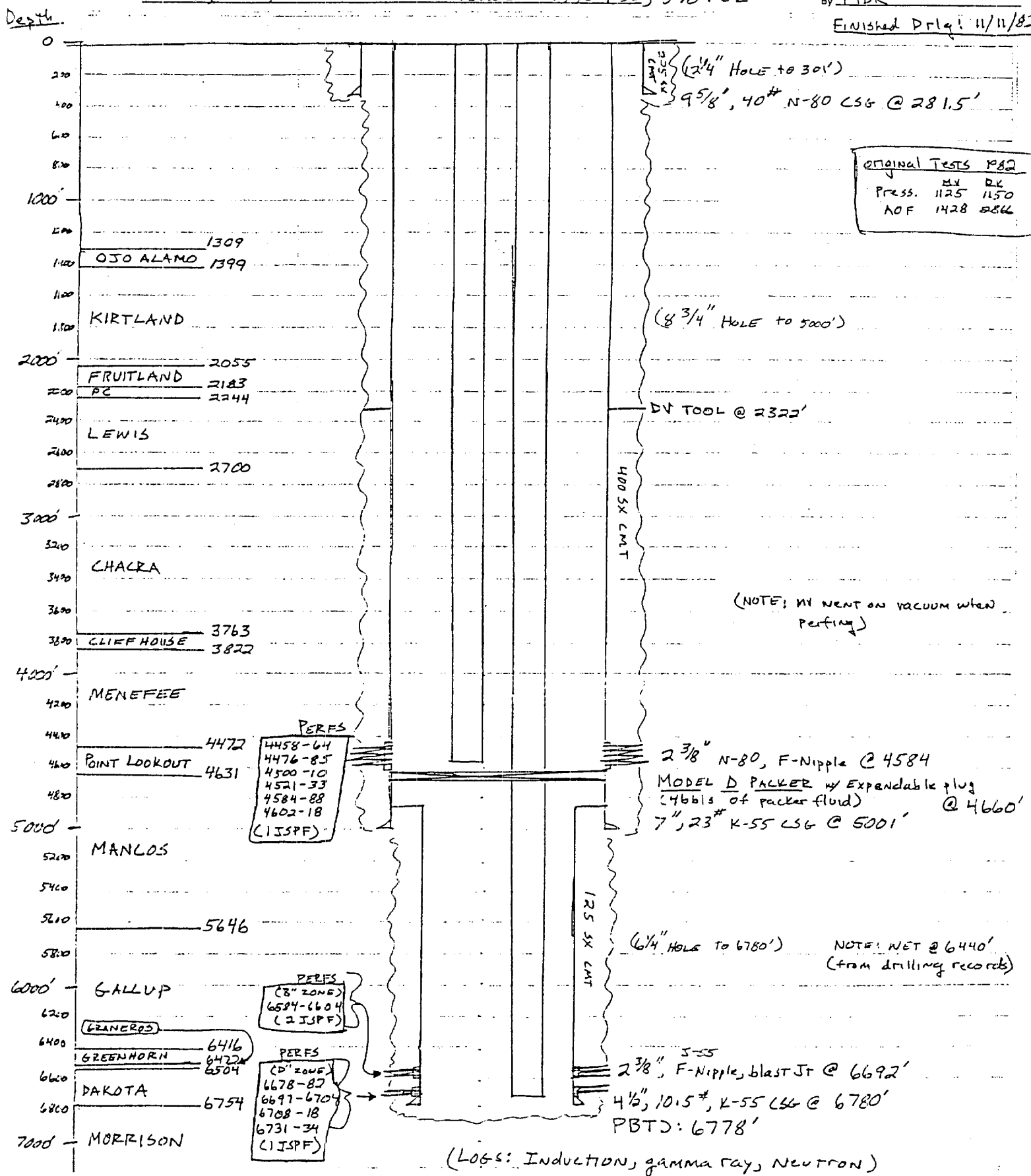
Sheet No. C1  
File

Appn \_\_\_\_\_

Date 4/24/95

By MDR

Finished Drlg: 11/11/82

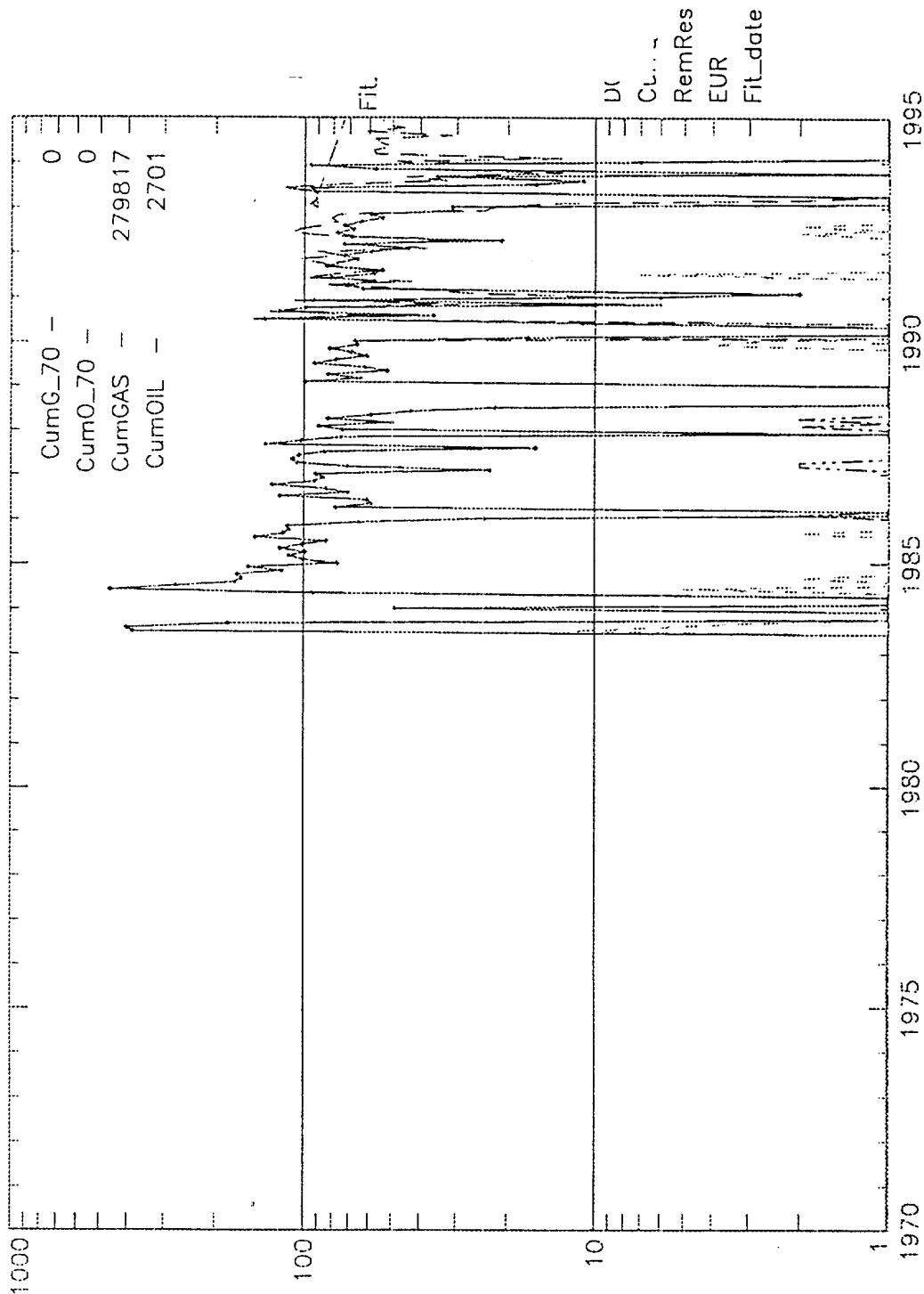


RIDDLE COM A 1M

Operator- AMOCO PRODUCTION CO

300452546200DK I092709-001MDK

APC\_WI - 1.0000000

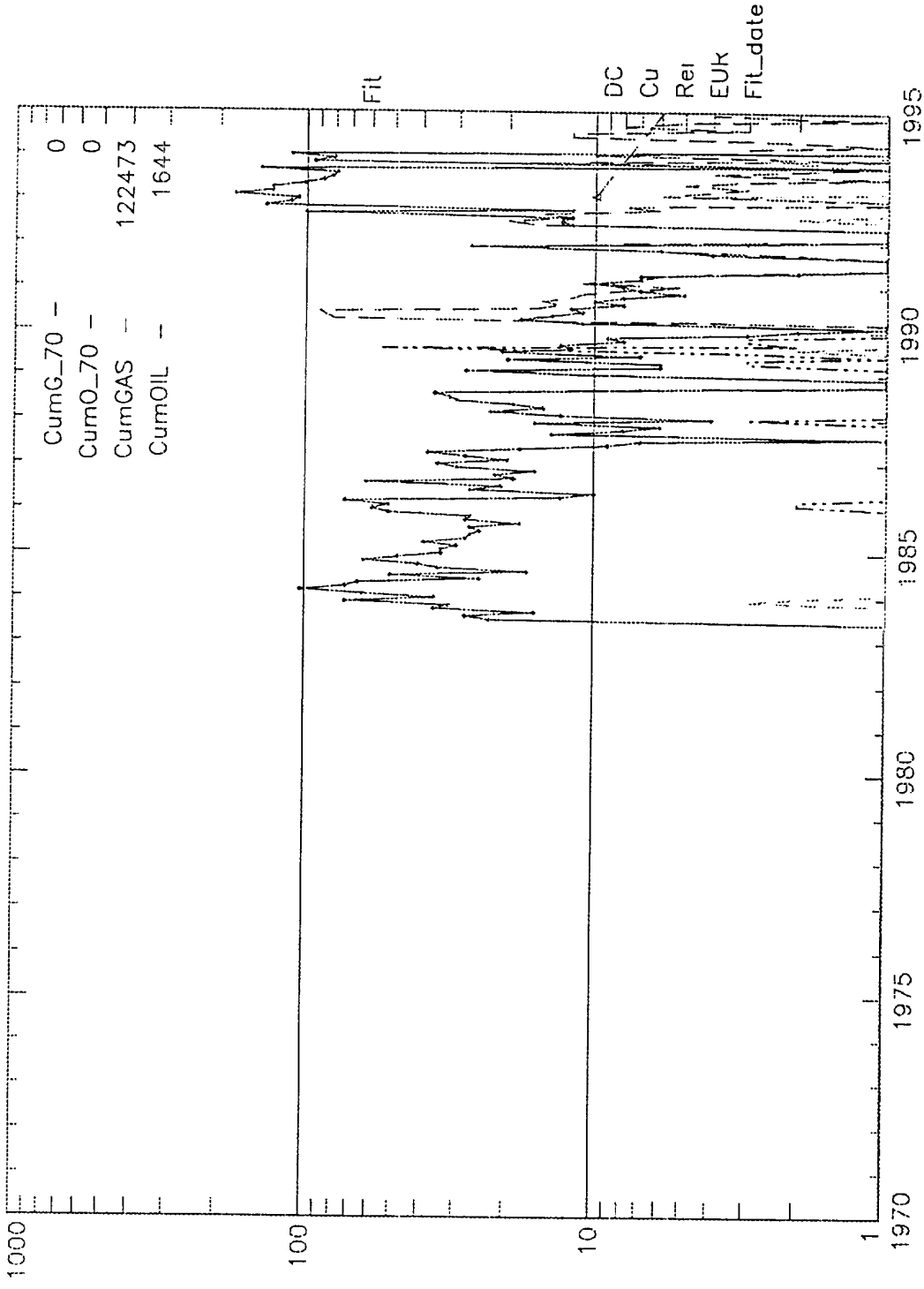


RIDDLE COM A 1M

300452546200MV I092709-001MMV

Operator- AMOCO PRODUCTION CO

APC\_WI - 1.0000000



Curr\_Fit

STATE OF NEW MEXICO  
ENERGY and MINERALS DEPARTMENT

Location of Well: I092709 Page 1

OIL CONSERVATION DIVISION  
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #: RIDDLE COM A 001M  
Meter #: 94623 RTU: 1-054-07 County: SAN JUAN

|             | NAME RESERVOIR OR POOL                | TYPE PROD | METHOD PROD | MEDIUM PROD |
|-------------|---------------------------------------|-----------|-------------|-------------|
| UPR<br>COMP | RIDDLE COM A 001M MV 94625<br>1-53-11 | GAS       | FLOW        | TBG         |
| LWR<br>COMP | RIDDLE COM A 001M DK 94623<br>1-54-11 | GAS       | FLOW        | TBG         |

PRE-FLOW SHUT-IN PRESSURE DATA

|             | Hour/Date Shut-In | Length of Time Shut-In | SI Press. PSIG | Stabilized |
|-------------|-------------------|------------------------|----------------|------------|
| UPR<br>COMP | 09/19/93          | 72 Hrs                 | 348            | Yes        |
| LWR<br>COMP | 09/19/93          | 72 Hrs                 | 417            | Yes        |

FLOW TEST DATE NO. 1

Commenced at (hour, date)\*

| TIME<br>(hour, date) | LAPSED TIME<br>SINCE* | PRESSURE |       | Prod<br>Temp. | REMARKS       |
|----------------------|-----------------------|----------|-------|---------------|---------------|
|                      |                       | Upper    | Lower |               |               |
| 09/22/93             | Day 1                 | 347      | 419   |               | Both Zones SI |
| 09/23/93             | Day 2                 | 348      | 419   |               | Both Zones SI |
| 09/24/93             | Day 3                 | 348      | 418   |               | Both Zones SI |
| 09/25/93             | Day 4                 | 296      | 343   |               |               |
| 09/26/93             | Day 5                 | 221      | 297   |               |               |
| 09/27/93             | Day 6                 | 224      | 299   |               |               |

Production rate during test

Oil: 1.5 BOPD based on 4.5 BBLs in 72 Hrs 56.8 Grav GOR  
Gas: 81 MFCPD: Tested thru (Orifice or Meter): METER

MID-TEST SHUT-IN PRESSURE DATA

|             | Hour, Date SI | Length of Time SI | SI Press. PSIG | Stabilized (yes/no) |
|-------------|---------------|-------------------|----------------|---------------------|
| UPR<br>COMP | 9-15-93       | 15.9              | 348            | Yes                 |
| LWR<br>COMP | 7-3-93        | 15.5              | 417            | Yes                 |

(Continue on reverse side)

OIL CON. DIV.  
DIST. 3

FR. 2-11-93