



TONEY ANAYA  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

May 8, 1986

50 YEARS



1935 - 1985

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Administrative Order No. DHC-609

Amoco Production Company  
501 Airport Drive  
Farmington, New Mexico 87401

Attention: R. J. Broussard

Re: Jicarilla Contract 155 No. 27 Well  
Unit J, Section 32, T-26 North, R-5 West,  
NMPM, Rio Arriba County, New Mexico  
Otero Chacra and Blanco Mesaverde Pools

RECEIVED  
MAY 12 1986  
OIL CON. DIV.  
DIST. 3

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations for the subject dually completed well to permit the removal of the down-hole separation equipment and to commingle the production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C.4., total commingled oil production from the subject well shall not exceed 30 barrels per day, and total water production from the well shall not exceed 60 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated gas pool as printed in the Oil Conservation's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Chacra Pool:        Condensate    0%, Gas 50%  
Mesaverde Pool:    Condensate 100%, Gas 50%

Pursuant to Rule 303-C 5, the commingled authority granted by this order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Very truly yours,

  
R. L. STAMETS,  
Director

cc: / Gas Co. of N.M.  
OCD District Office - Aztec



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178

OIL CONSERVATION DIVISION  
BOX 2088  
SANTA FE, NEW MEXICO 87501

DATE 4-22-86

RE: Proposed MC \_\_\_\_\_  
Proposed DHC X \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 4-17-86  
for the Amoco Tr. Cont. 155 F27 J-32-26N-5W  
Operator Lease and Well No. Unit, ...

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

E. P. ...



**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

R. J. Broussard  
District Manager

April 16, 1986

New Mexico Oil Conservation Division  
Attn: David Catanach  
P. O. Box 2088  
Santa Fe, NM 87501

File: DDL-413-400

Gentlemen:

Commingling Application  
Jicarilla Contract 155 No. 27  
Section 32, T26N, R5W  
Rio Arriba County, New Mexico

RECEIVED  
APR 17 1986  
OIL CON. DIV.  
DIST. 3

Amoco Production Company requests approval to commingle production from the Otero Chacra and Blanco Mesaverde horizons in the subject well.

Commingling is requested for these reasons:

- 1) The Mesaverde producing rates are marginally economic.
- 2) If commingled, the Chacra will help produce the remaining Mesaverde reserves.

The working interest and royalty of both zones are the same and bottom hole pressure of the Mesaverde appears to be within 50 percent of the bottom hole pressure of the Chacra. Formation fluids are compatible.

In view of Rule 303C, we have attached two copies of the following:

1. Acreage Plat indicating ownership of offset leases
2. Well completion reports
3. Shut-in surface pressures
4. Recommended allocation formula
5. Copy of notification to offset operations
6. Chacra and Mesaverde production curves

Thank you for your earliest attention to this application.

Yours very truly,

*R. J. Broussard*  
BJS

CES/ct

Attachments  
AM1

cc: NMOCD - Aztec, NM



**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

R. J. Broussard  
District Manager

April 16, 1986

Marathon Oil Company  
5505 Hill N Dale Drive  
Farmington, NM 87401

File: DDL-138-400

Gentlemen:

Commingling Application  
Jicarilla Contract 155 No. 27  
Section 32, Township 26 N, Range 5W  
Rio Arriba County, New Mexico

Amoco Production Company has applied for approval to commingle the Mesaverde and Chacra horizons in the subject well. If you have any objections, you have 20 days to notify the New Mexico Oil Conservation Division. If you do not respond within 20 days, your approval will be assumed.

Yours very truly,

*R. J. Broussard* <sub>BDS</sub>

EDA/ct

AM1

RECEIVED  
APR 17 1986  
OIL CON. DIV.  
DIST. 3



**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

R. J. Broussard  
District Manager  
April 16, 1986

Ohio Oil  
P. O. Box 120  
Casper, WY

File: DDL-140-400

Gentlemen:

Commingle Application  
Jicarilla Contract 155 No. 27  
Section 32, Township 26 N, Range 5W  
Rio Arriba County, New Mexico

RECEIVED  
APR 17 1986  
OIL CON. DIV.  
DIST. 3

Amoco Production Company has applied for approval to commingle the Mesaverde and Chacra horizons in the subject well. If you have any objections, you have 20 days to notify the New Mexico Oil Conservation Division. If you do not respond within 20 days, your approval will be assumed.

Yours very truly,

*R. J. Broussard* BSS

EDA/ct

AM1



**Amoco Production Company**

Petroleum Center Building  
501 Airport Drive  
Farmington, New Mexico 87401  
505-325-8841

R. J. Broussard  
District Manager  
April 16, 1986

Conoco  
Briercraft Saving Building  
200 No. Loraine  
Midland, TX 79702

File: DDL-139-400

Gentlemen:

Commingling Application  
Jicarilla Contract 155 No. 27  
Section 32, Township 26 N, Range 5W  
Rio Arriba County, New Mexico

Amoco Production Company has applied for approval to commingle the Mesaverde and Chacra horizons in the subject well. If you have any objections, you have 20 days to notify the New Mexico Oil Conservation Division. If you do not respond within 20 days, your approval will be assumed.

Yours very truly,

*R. J. Broussard* RJS

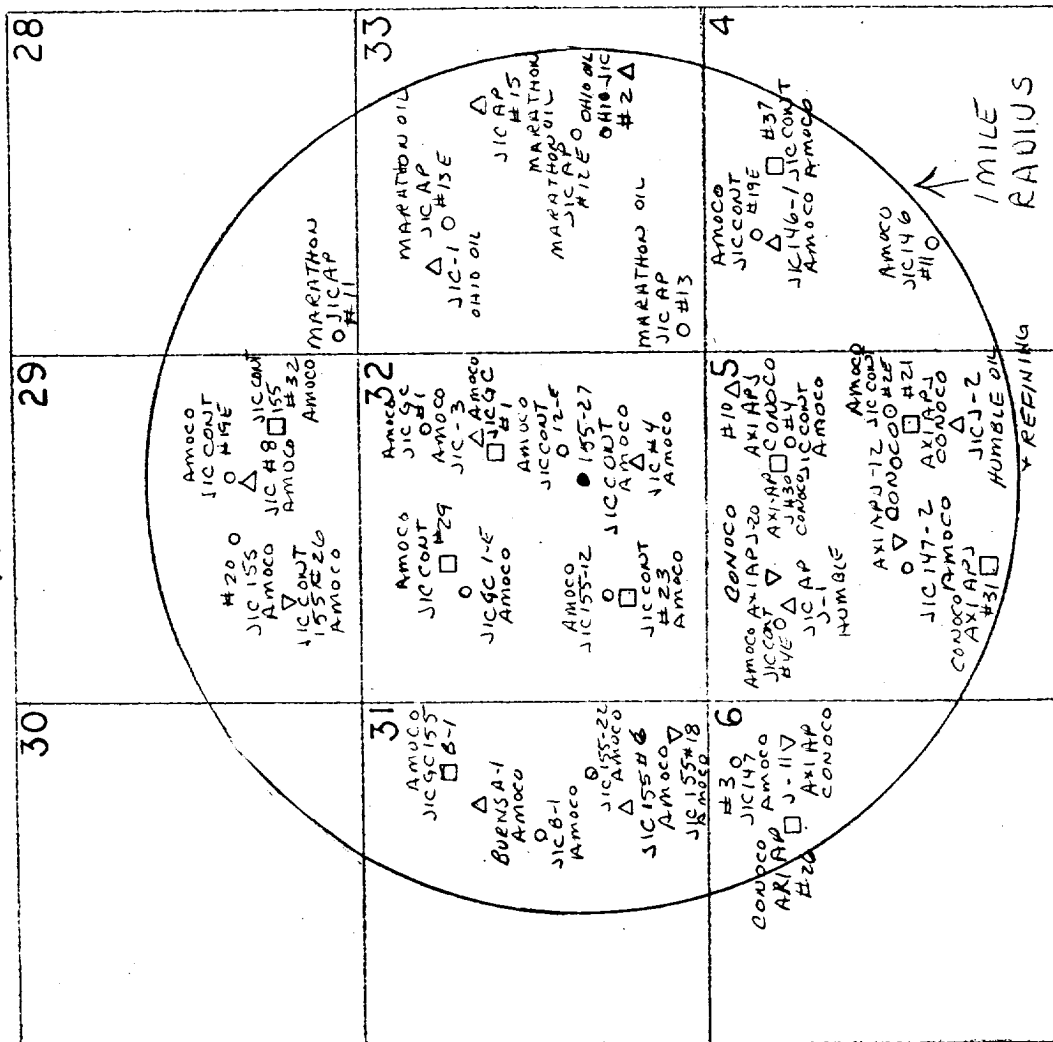
EDA/ct

AM1

R5W

T 26 N

T 25 N



- BASIN DATUM
- Δ BLANCO PICTURED CLIFFS
- BLANCO MESAVERDE
- ▽ OTERO CHACRA
- PROPOSED WELL TO BE COMPLETED

DATE 2-22-85

WELL COMPLETION AND WORKOVER DATA

Blanco Mesa Verde - Otero Chaco

WELL NAME: Quevedo Contract 155 #27

LOCATION: 1685' FSL X 1570' FEL Sec. 32 T26N R5W  
Rio Arriba County, New Mexico

ELEVATION: 5300' GL: 6513' KB: 6525'  
TD: 5300' PBD: 5249'

CASING & CEMENT: 2 5/8" 24# K-55 CSA 292' X 315 SX Cmt  
5 1/2" 14# K-55 CSA 5300' X 1085 SX Cmt

Sanding 1 1/4" 2.33# J-55 SA 3807'  
" 2 1/16" 3.25# J-55 SA 5188'

COMPLETION DATE: 3-23-81 FIRST DELIVERY: 2-22-82

COMPLETION INTERVAL: 3675'-3791' Mesa Verde, 5024'-5167' Mesa Verde

PERFORATIONS: 3675'-3692', 3772'-3791', 5024'-5028', 5079'-5082'  
5092'-5100', 5100'-5110', 5124'-5128', 5163'-5167'

SPECIAL EQUIPMENT: Parker 3880'

INITIAL POTENTIAL: Gas 1005 MCFD Chaco  
Gas 2006 MCFD Mesa Verde

CORE INTERVAL: \_\_\_\_\_

DST RESULTS: \_\_\_\_\_

LOGS RUN: GR, SP, IEL, Compensated Density

ORIGINAL COMPLETION: 3675'-3791' 80,000 gal. of foam + 130,500# of  
10-20 sand

5024'-5167' 48,000 gal. of frac fluid + 109,000#  
of 10-20 sand

WORKOVERS AND EQUIPMENT CHANGES: \_\_\_\_\_

12-15-81

Packer Leak - Ran new Otis Seal  
assembly. Original seal assembly  
was never stung into packer.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(See of  
structil  
reverse side)

Budget Bureau No. 42-11355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1685' FSL x 1570' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

U. S. GEOLOGICAL SURVEY  
FARMINGTON DISTRICT

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 155

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache.

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 155

9. WELL NO.

27

10. FIELD AND POOL, OR WILDCAT

Otero Chacra

11. SEC., T., R., OR BLOCK AND SURVEY OR AREA

NW/4, SE/4, Section 35,

T26N, R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED 1-2-81 16. DATE T.D. REACHED 1-11-81 17. DATE COMPL. (Ready to prod.) 3-23-81 18. ELEVATIONS (DF, RES, RT, GR, ETC.) \* 6513' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5300' 21. PLUG, BACK T.D., MD & TVD 5249' 22. IF MULTIPLE COMPL., HOW MANY \* 2 23. INTERVALS DRILLED BY 0-TD ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME(S) (MD AND TVD) \* 25. WAS DIRECTIONAL SURVEY MADE

3675-3698 and 3776-3791 - Otero Chacra

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

GR; SP; IEL; Compensated Neutron; Compensated Density No

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT CEMENTED |
|-------------|-----------------|----------------|-----------|------------------|-----------------|
| 8 5/8"      | 24#             | 295'           | 12 1/4"   | 315 SX           |                 |
| 5 1/2"      | 14#             | 5300'          | 7 7/8"    | 1085 SX          |                 |

29. LINER RECORD 30. TUBING RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 1 1/4" | 3807'          |                 |

31. PERFORATION RECORD (Interval, size and number)

3675-3698 and 3776-3791, with 2 spf, a total of 76, .38" holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                         |
|---------------------|----------------------------------------------------------|
| 3675-3791           | 80,000 gallons of foam and 130,500 pounds of 10-20 sand. |

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Flowing Shut-In

DATE OF TEST 5-29-81 HOURS TESTED 3 Hrs. CHOKER SIZE 75" PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. 72 psig CASING PRESSURE 772 psig CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

72 psig 772 psig 1005

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

To be sold.

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

ACCEPTED FOR RECORD

SIGNED Original Signed By E. E. SVOBODA TITLE Dist. Admin. Supvr. JUL 6 1981

\*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR BY [Signature]

FARMINGTON DISTRICT

7 JUL 1981

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other  
instructions on  
reverse side)Form approved  
Budget Bureau No. 42-15355-6.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1685' FSL x 1570' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract 155

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla Contract 155

9. WELL NO.

27

10. FIELD AND POOL, OR WILDCAT

Gonzales Mesaverde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NW/4, SE/4, Section 32,  
T26N, R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

5. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, CR, ETC.) \* 19. ELEV. CASINGHEAD

1-2-81

1-11-81

3-23-81

6513' GL

20. TOTAL DEPTH, MD &amp; TVD 21. PLUG, BACK T.D., MD &amp; TVD 22. IF MULTIPLE COMPL., HOW MANY \* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS

5300'

5249'

2

O-TD

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) \*

5024-5028, 5079-5082, 5096-5100, 5106-5110, 5124-5128, and 5163-5167 -

Gonzales Mesaverde

25. WAS DIRECTIONAL SURVEY MADE

No

27. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

No

GR; SP; IEL; Compensated Neutron; Compensated Density

## CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 8 5/8"      | 24#             | 295'           | 12 1/4"   | 315 sx           |               |
| 5 1/2"      | 14#             | 5300'          | 7 7/8"    | 1085 sx          |               |
|             |                 |                |           |                  |               |
|             |                 |                |           |                  |               |

## LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE    | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|---------|----------------|-----------------|
|      |          |             |               |             | 2 1/16" | 5184'          |                 |
|      |          |             |               |             |         |                |                 |
|      |          |             |               |             |         |                |                 |

28. PERFORATION RECORD (Interval, size and number)

5024-5028, 5079-5082, 5096-5100, 5106-5110, 5124-5128, and 5163-5167, with 2 spf, a total of 46, .38" holes.

29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                              |
|---------------------|---------------------------------------------------------------|
| 5024-5167           | 48,000 gallons of frac fluid and 69,000 pounds of 10-20 sand. |
|                     |                                                               |
|                     |                                                               |

## PRODUCTION

29. FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

Flowing

Shut-In

| DATE OF TEST       | HOURS TESTED    | CHOKE SIZE              | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO |
|--------------------|-----------------|-------------------------|-------------------------|----------|------------|-------------------------|---------------|
| 6-4-81             | 3 Hrs.          | .75"                    |                         |          | 251        |                         |               |
| DOWN TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |               |
| 154 psig           | ---             |                         |                         | 2006     |            |                         |               |

DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

To be sold.

LIST OF ATTACHMENTS

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED Original Signed By TITLE Dist. Admin. Suvr. DATE JUL 6 1981

B. E. SVOBODA

\*(See Instructions and Spaces for Additional Data on Reverse Side) JUL 09 1981

OPERATOR

FARMINGTON DISTRICT

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

**Item 1:** Not filed prior to the time this summary report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Such's Cement?" Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

## 7. SUMMARY OF POROSITY ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORREL INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION       | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | 38. GEOLOGIC MARKERS |                                        |
|-----------------|------|--------|-----------------------------|----------------------|----------------------------------------|
|                 |      |        |                             | NAME                 | TOP<br>MEAS. DEPTH<br>TRUE VENT. DEPTH |
| Ojo Alamo       | 2195 | 2380   |                             |                      |                                        |
| Nirtland        | 2380 | 2640   |                             |                      |                                        |
| Fruitland       | 2640 | 2780   |                             |                      |                                        |
| Pictured Cliffs | 2780 | 2840   |                             |                      |                                        |
| Chacra          | 3674 | 3800   |                             |                      |                                        |
| Cliffhouse      | 4450 | 4510   |                             |                      |                                        |
| Kenefee         | 4510 | 5000   |                             |                      |                                        |
| Point Lookout   | 5000 | 5182   |                             |                      |                                        |

*Write  
Description*

GL: 6513'  
KB: 6525'

8-5/8" 24# K-55 CSA  
292' X 315 Sx Cmt

1-1/4" 2.33# J-55 Tubing  
@ 3807'

Chacra Perforations:  
3675' - 3698'  
3776' - 3791'

Packer @ 3880'

Mesaverde Perforations:  
5024' - 5028'  
5079' - 5082'  
5096' - 5100'  
5106' - 5110'  
5124' - 5128'  
5163' - 5167'

2-1/16" 3.25# J-55 Tubing  
@ 5188'

TD: 5300'  
PBD: 5249'

5-1/2" 14# K-55 CSA 5300'  
X 1085 Sx Cmt

Amoco Production Company

SCALE:

Jicarilla Contract #27

DRG.  
NO

JICARILLA CONTRACT ISS #27

Mesaverde SITP = 799 psig  
depth = 5096'

Chacra SITP = 878 psig  
depth = 3733'

Allocation Formula:

Oil 100% Mesaverde

Gas 50% Mesaverde  
50% Chacra

WELL NAME JICARILLA CONTRACT 155 #27

J 32 26N 5W

GONZALES MESAVERDE

Blanco

DAYS BO BW MCF MCFD

|      |    |     |      |      |
|------|----|-----|------|------|
| JAN  |    |     |      |      |
| FEB  | 6  | 93  | 2316 | 38.6 |
| MAR  | 31 | 532 | 7057 | 22.8 |
| APR  | 21 | 212 | 4126 | 19.7 |
| MAY  | 29 | 219 | 5237 | 18.1 |
| JUNE | 30 | 175 | 4754 | 15.8 |
| JULY | 21 | 116 | 3376 | 15.8 |
| AUG  | 31 | 182 | 4806 | 15.5 |
| SEPT | 29 | 141 | 3684 | 12.4 |
| OCT  | 29 | 89  | 3130 | 10.8 |
| NOV  | 30 | 102 | 2915 | 9.7  |
| DEC  | 31 | 147 | 3955 | 12.8 |

1982

DAYS BO BW MCF MCFD

|      |    |     |   |      |      |
|------|----|-----|---|------|------|
| JAN  | 14 | 211 | 3 | 5540 | 39.6 |
| FEB  | 29 | 100 | 3 | 4955 | 17.1 |
| MAR  | 31 | 156 | 4 | 4290 | 13.8 |
| APR  | 30 | 88  | 2 | 2826 | 9.4  |
| MAY  | 28 | 75  | 2 | 4132 | 14.8 |
| JUNE | 28 | 98  | 5 | 3681 | 13.1 |
| JULY | 4  | 34  | 3 | 702  | 17.6 |
| AUG  | 5  | 1   | - | 0    | 0    |
| SEPT | 5  | -   | 4 | 0    | 0    |
| OCT  | 5  | -   | 2 | 0    | 0    |
| NOV  | 5  | 34  | - | 638  | 0    |
| DEC  | 2  | 21  | 2 | 556  | 2.8  |

1984

DAYS BO BW MCF MCFD

|      |    |     |   |      |      |
|------|----|-----|---|------|------|
| JAN  | 31 | 158 | 0 | 3854 | 12.4 |
| FEB  | 28 | 160 | 1 | 3517 | 12.6 |
| MAR  | 31 | 112 | 1 | 4140 | 13.4 |
| APR  | 22 | 55  | 1 | 1637 | 7.4  |
| MAY  | 16 | 55  | 1 | 1881 | 11.8 |
| JUNE | 16 | 50  | 2 | 2326 | 14.5 |
| JULY | 4  | 26  | 2 | 1047 | 26.2 |
| AUG  | 24 | 131 | 3 | 4900 | 20.6 |
| SEPT | 4  | 109 | 2 | 1642 | 4.1  |
| OCT  | 3  | 37  | 2 | 1183 | 39.4 |
| NOV  | 5  | 1   | - | 274  | 5.5  |
| DEC  | 20 | 242 | 3 | 5085 | 25.1 |

1983

DAYS

BO BW MCF MCFD

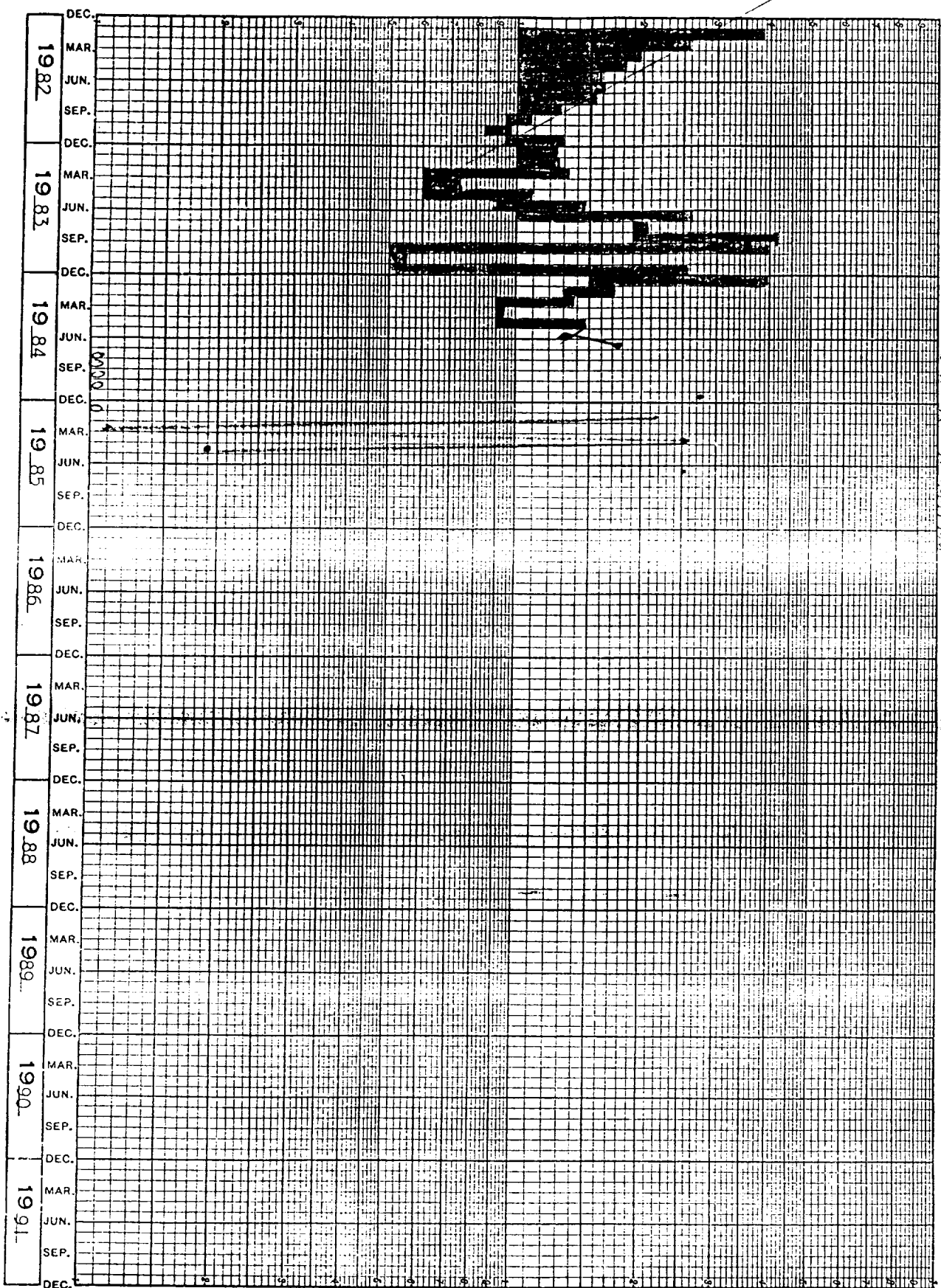
|      |    |     |   |      |      |
|------|----|-----|---|------|------|
| JAN  | SI | 2   | - | -    | -    |
| FEB  | 10 | 107 | - | 216  | 2.18 |
| MAR  | 31 | -   | 4 | 352  | 11   |
| APR  | 8  | 127 | - | 2039 | 255  |
| MAY  | 31 | 21  | - | 590  | 19   |
| JUNE | 5  | -   | - | -    | -    |
| JULY | 4  | 86  | - | 1237 | 369  |
| AUG  | 5  | -   | - | -    | -    |
| SEPT | 5  | -   | - | -    | -    |
| OCT  | 5  | -   | - | -    | -    |
| NOV  | 5  | -   | - | 563  | -    |
| DEC  | 5  | -   | - | -    | -    |

1985

1986 JAN SI  
FEB SI

|    |
|----|
| 28 |
| 51 |
| 51 |
| 5  |
| 5  |
| 10 |
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| 3  |
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WELL NAME

JICARILLA CONTRACT 155 #27

J 32 26N 5W

OTERO CHACRA

|      | DAYS | BO | BW | MCF  | MCFD |
|------|------|----|----|------|------|
| JAN  |      |    |    |      |      |
| FEB  | 6    |    |    | 3734 | 1622 |
| MAR  | 31   |    |    | 7943 | 259  |
| APR  | 21   |    |    | 1520 | 9    |
| MAY  | 31   |    |    | 4000 | 131  |
| JUNE | 30   |    |    | 5082 | 164  |
| JULY | 25   |    |    | 3523 | 141  |
| AUG  | 31   |    |    | 5106 | 163  |
| SEPT | 30   |    |    | 4674 | 156  |
| OCT  | 29   |    |    | 2869 | 99   |
| NOV  | 30   |    |    | 1932 | 64   |
| DEC  | 31   |    |    | 2325 | 75   |

1982

|      | DAYS | BO | BW | MCF  | MCFD |
|------|------|----|----|------|------|
| JAN  | 4    |    |    | 122  | 31   |
| FEB  | 14   |    |    | 2655 | 190  |
| MAR  |      | 57 |    |      |      |
| APR  | 3    |    |    | 391  | 130  |
| MAY  | 5    |    |    | 779  | 156  |
| JUNE | 22   |    |    | 1787 | 81   |
| JULY | 31   |    |    | 3193 | 103  |
| AUG  | 31   |    |    | 3403 | 110  |
| SEPT | 14   |    |    | 2096 | 150  |
| OCT  | —    |    |    | 37   | —    |
| NOV  | 26   |    |    | 3773 | 145  |
| DEC  | 26   |    |    | 2450 | 94   |

1984

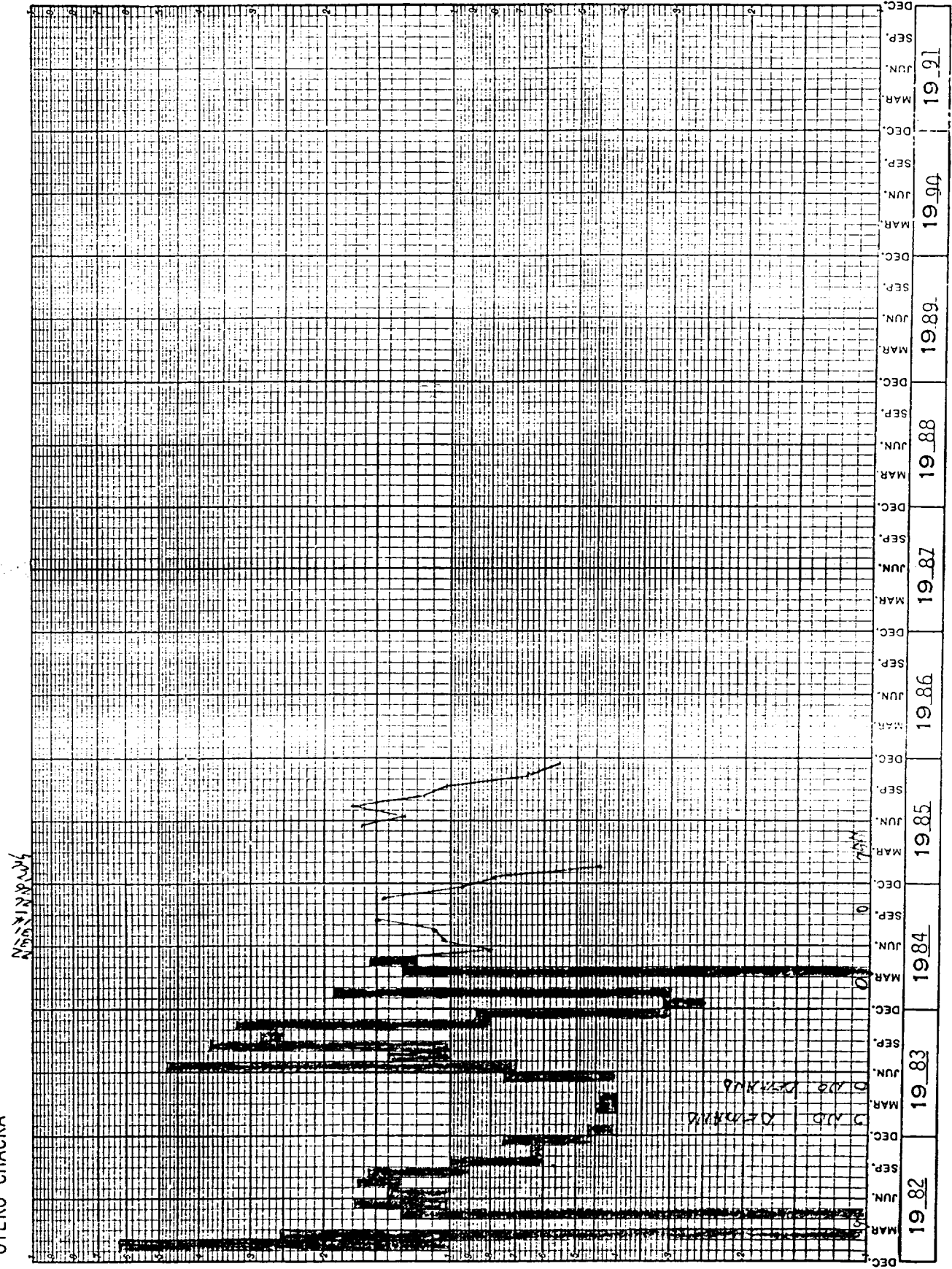
|      | DAYS | BO | BW | MCF  | MCFD |
|------|------|----|----|------|------|
| JAN  | 31   |    |    | 1468 | 47   |
| FEB  | 0    |    |    | 0    | 0    |
| MAR  | 12   |    |    | 245  | 45   |
| APR  | 5    |    |    | 222  | 44   |
| MAY  | 0    |    |    | 0    | 0    |
| JUNE | 6    |    |    | 452  | 75   |
| JULY | 4    |    |    | 1863 | 1166 |
| AUG  | 24   |    |    | 3368 | 140  |
| SEPT | 4    |    |    | 1508 | 371  |
| OCT  | 3    |    |    | 850  | 283  |
| NOV  | 16   |    |    | 1948 | 325  |
| DEC  | 4    |    |    | 351  | 88   |

1983

|      | DAYS | BO | BW | MCF  | MCFD |
|------|------|----|----|------|------|
| JAN  | 17   |    |    | 1335 | 79   |
| FEB  | 26   |    |    | 1151 | 44   |
| MAR  | 5    |    |    | 37   | 7    |
| APR  | 57   | —  | —  | —    | —    |
| MAY  | 57   | —  | —  | 2    | —    |
| JUNE | 24   | —  | —  | 3894 | 162  |
| JULY | 25   | —  | —  | 3164 | 127  |
| AUG  | 16   |    |    | 2732 | 171  |
| SEPT | 30   |    |    | 3428 | 114  |
| OCT  | 23   |    |    | 2402 | 104  |
| NOV  | 30   |    |    | 1973 | 166  |
| DEC  | 31   |    | 20 | 1692 | 55   |

1985

JICARILLA CONTRACT 155 #27  
 J 22 26N 5W  
 OTERO CHACRA



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