



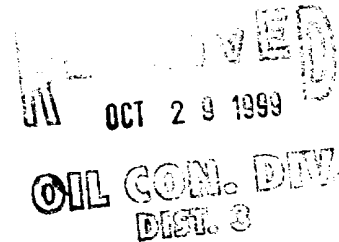
**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

**ADMINISTRATIVE ORDER DHC-2497**

Conoco Inc.  
P.O. Box 2197  
DU 3066  
Houston, Texas 77252-2197

Attention: Ms. Deborah Moore



*San Juan 28-7 Unit No. 103  
API No. 30-039-07209  
Unit A, Section 3, Township 27 North, Range 7 West, NMPM,  
Rio Arriba County, New Mexico  
South Blanco-Pictured Cliffs (Prorated Gas - 72439) and  
Blanco-Mesaverde (Prorated Gas - 72319) Pools*

Dear Ms. Moore

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject 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 zones is hereby placed in abeyance.

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 pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Production from the well shall be allocated as follows:

Oil and gas production from the South Blanco-Pictured Cliffs Gas Pool shall be determined by utilizing the production forecast submitted as an attachment to the downhole commingling application. Oil and gas production from the Blanco-Mesaverde Gas Pool shall be determined by subtracting South Blanco-Pictured Cliffs Gas Pool production from the well's total monthly oil and gas production.

The allocation method established herein may be altered at some time subsequent to initiating downhole commingling operations upon request by the operator and for good cause shown.

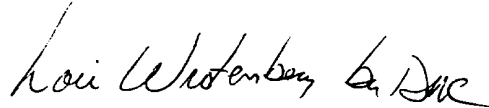
REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.C.(1)(b)(ii), the bottomhole pressure of the highest pressured commingled zone can not exceed the original reservoir pressure of any other commingled zone in the wellbore, adjusted to common datum.

Pursuant to Rule 303.H., the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 27th day of October, 1999.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



LORI WROTENBERY  
Director

S E A L

LW/MWA/kv

cc: Oil Conservation Division - Aztec /  
Bureau of Land Management-Farmington

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Conoco Inc

3. Address and Telephone No.

P.O. Box 2197 DU-3066 Houston, TX 77252-2197 (281) 293-1005

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)

A1, Sec. 6, T-27N, R-7W  
816' FNL & 1041' FEL

5. Lease Designation and Serial No.

D290-28

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8910004590

8. Well Name and No.

San Juan 28-7 #103

9. API Well No.

30-039-07209

10. Field and Pool, or Exploratory Area P.C.

Blanco Mesaverde/Blanco Sc

11. County or Parish, State

Rio Arriba, NM

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other Add Pay  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Conoco, Inc. proposes to add pay prior to the DHC as per attached procedure.

RECEIVED  
NOV - 1 1999  
OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

*Richard Moore*

Title

Regulatory Analyst

281 293-1005

ACCEPTED FOR RECORD

Date

OCT 26 1999

Approved by

Title

Date

Conditions of approval if any:

FARMINGTON FIELD OFFICE  
BY *[Signature]*

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side  
NMOCD

**San Juan 28-7 Unit, Well # 103**  
**Mesaverde Menefee Pay Add & DHC MV/PC**  
**August 22, 1999**  
AFE# \_\_\_\_\_

**Well Data**

**API#** 30-039-0720900

**Location:** T-27N, R-7W, Sec-3, 816' FNL, 1041' FEL.

Spud Date -6/59    TD - 5222'    GL—6161'    KB —6171'

Surface casing: 10.75", 32.75#, set @ 171', 165 sx, cmt circ to surface.

Intermediate Casing: 7.625", 26.4#, J-55 set @ 2941', 120 sx, TOC @ 2605' by Temp Survey

Production Liner: 5.5" OD, 4.95" ID, 15.5#, J-55, set from 2901'-5220', 386 sx., TOC @ TOL by Temp Survey

Tubing size: 2.375" OD, 1.9961" ID, 4.7#, @ 5018', and GUIBERSON "AG" pkr @ 4396'  
For PC, 1 1/4", 2.4# EUE tbg, set @ 2806'.

Perforations : Mesaverde Cliff House perforations @ 4480'-4500', 4516'-24', 4532'-40', 4546'-54', w/2 SPF -50M#  
frac stim

Mesaverde Point Lookout perforations @ 5004'-14', 5028'-38', 5052'-62', 5072'-5082', 5106'-5116', w/2  
SPF—50M#

PC perforations @ 2766'-80', 2790'-2806', 2834'-2844', 2850'-60'(2 SPF) – 40,000# frac stim; 10/20  
sand

**Proposed Perfs:**

The recommended Mesaverde Menefee perforated intervals are ( 1 shot/3 ft):

**4638'-4664'**

**4673'-4680'**

**4697'-4733'**

**4756'-4762'**

**4776'-4785'**

**4793'-4806'**

**4816'-4820'**

**4838'-4844'**

**4920'-4930'**

Completion details and well history contained in Wellview files and schematics

**NOTES:**

No records or copies of cased hole logs in file (only cased hole logs run were temp logs).

Note Guiberson permanent packer in well (dual completion). Will need to mill-out using packer-plucker (similar tool as used for Model D's). The AD model is 32" OA length, with no tailpipe assembly. ID of 2.812". For further details, contact John w/ Halliburton @ 505-324-3115.

## Procedure

- 1) Move in workover rig, hold safety meeting, note prevailing wind direction at location, designate muster point, review procedure, identify potential hazards, isolate lines and facilities, blow down lines, lock out tag out, spot equipment, rig up, WORK SAFELY! Also, review all procedure w/ major contractor reps, and cost/time goals. MAKING COST TARGETS IMPERATIVE!! If problem or oversight in cost estimate seen, notify Craig Moody.
- 2) Kill ZONE BY PUMPING DOWN tubing strings with minimum amount of KCl water. POOH w/ short string. On long string, set down & pull point over, attempting to jar rust/debris. Attempt straight pull for releasing tbg (may be straight seal assembly). If unsuccessful, go through procedure for "latch-type" packer, making 10 – 12 turns to right, then pull point over. both strings of tubing and lay-down. When tbg free, POOH, and RIH w/ packer-plucker/mill arrangement (ensure plucker length greater than 32"), and mill packer/slips. Retrieve.
- 3) PU 2 7/8" frac string and make bit and scraper run for 5 1/2" liner to PBDT. POOH and set RBP @ 4970' in 5 1/2". (NOTE: No GR/Collar log was found in Houston wellfile. If unavailable, run prior to setting plug a GR/collar log from 5000' up for minimum interval or TOL ). Pressure test plug to 3000# (via setting packer just above plug, @ approx 4950'). POOH.
- 4) RU wireline and lubricator and perforate Menefee at following intervals (1shot per 3 feet ) w/ 3 1/8" cased hole gun:

4638'-4664'  
4673'-4680'  
4697'-4733'  
4756'-4762'  
4776'-4785'  
4793'-4806'  
4816'-4820'  
4838'-4844'  
4920'-4930'

46 total perfs.

Exact perfs: 4638', 41', 44', 47', 50, 53', 56', 59', 62'; 4673', 76', 79',  
4697', 4700', 03', 06', 09', 12', 15', 18', 21', 24', 27', 30', 33'  
4756', 59', 62', 4776', 79', 82', 85', 4793', 96', 99', 4802', 05'  
4816', 19', 4838', 41', 43', 4920', 23', 26', 29'

Rig down wireline.

Note: Limited entry with ball off break down and stimulation.

- 4) Pick up 2.875" tubing frac string and RIH with 5.5" treating packer. RU BJ and spot/break-down by balling-off menefee perfs, as per BJ procedure ( set packer at 4590' for injection).
  - 5) Release packer and RIH knock off balls and pull back up and set packer @ 4590'. Note: monitor backside carefully during frac, to see if any break-through occurs. REMEMBER THAT 2 SETS OF OPEN PERFS ON BACKSIDE.
  - 6) Pressure test equipment to 5000#, and proceed to frac as per svc company procedure . Pump at maximum rate allowable @ maximum safe pressure. Have choke manifold for immediate flowback.
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- 7) Flow back immediately and clean up if possible, or until it dies.
- 8) Release packer, POOH packer and 2.875" frac string laying down.
- 9) RIH with RBP retrieving tool on 2.375" tubing string, pull RBP @ 4970' and POOH.
- 10) RIH with 2.375" mule shoe and SN on bottom, and 2.375", 4.7#, J-55, EUE production tubing, clean out to PBTD ; blow well dry and land tubing @ 5000' + or – a joint. Drop rabbit to check for tight spots, be careful not to over torque. Run drift with sand line before rigging down. Perform commingled test, and using subtraction method, determine new MV production rate, and submit MV test to Marc Shannon and Trigon for DHC application.
- 11) RD BOP's, RU tree, swab in if necessary, rig down move off. Upon obtaining regulatory approval, put well on production (notifying operator to put on plunger lift production, if necessary). If production rate from MV high enough and no plgr required, may be able to produce up both casing and tbg, with tbg/casing controller.

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San Juan East Team (DRW/CM)

Cc: Central Records, Linda Farmington Project Leads.