

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
CONOCO INC  
CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

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

Section 28, T-28-SN R-9-W, E  
1605' FNL & 1085' FWL

5. Lease Designation and Serial No.

SF 077107

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Michener #1

9. API Well No.

30-045-11679

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Repon  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracrunng  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Repon results of multiple completion on Wdl 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.)\*

It is proposed to recomplete this well to the Mesaverde using the attached procedure.

RECEIVED  
MAR 27 1998  
OIL CON. DIV.  
DIST. 3

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

Signed Kay Maddox

Title Regulatory Agent

Date March 20, 1998

(This space for Federal or State office use)

Approved by WAYNE TOWNSEND

Title Reg. Ag.

Date 3/25/98

Conditions of approval if any:

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 statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

NMOCD

West Area  
Downs & Co.

**Michener #1  
Recomplete to Mesaverde &  
Down Hole Commingle with Dakota  
March 19, 1998**

**API # – 300451167900**

**LOCATION: 1605' FSL , 1085' FWL, Section 28, T 28 N, R 9 W, Quarter SW NW, San Juan County**

**Objective**

Funds in the amount of \$142,750 are requested to recomplete the Michener #1 to the Mesaverde Menefee and Point Lookout sands and down hole commingle with Dakota production. The Mesaverde interval of interest extends from 3,030' to 6,000'. A cement squeeze will probably be necessary as records indicate that only 485' of this interval is cemented. No logs exist on this section so it will be logged, perforation depths picked, cemented, perforated, and fracture treated. Addition of this pay should result in a production increase of 400 mcf/d.

**Wellbore Specs (See attached Wellview information)**

Drilled in 1966, completed in Dakota sands, stimulation consisted of two fracture stimulation treatments, the first on interval 6709' - 6747', and second on interval 6584' 6608', with water and sand.

GL EL: 6004'; KB EL: 6015'; PBD: 6770', TD: 6850'.

CASING: 4 1/2" liner, 10.5#, J-55, 217 jts., from 0' to 6850'; cement three stages,  
1st stg. ( 6001', 161sxs, DV @ 4800' ),  
2nd stg. (4315', 92sxs, DV @ 2300' TOC est.),  
3rd stg. (900', 316sxs, TOC calc.),

7 ", 20#, K-55, 7 jts., set @ 277', cemented 125 sx, (Cmt circ.)

TUBING: 218 joints, 2 3/8" EUE , 4.7#, J-55, to 6699', (SN @ 6699'), 1 joint 2.375" tbg. set @ 6731'.  
No packer in hole.

**NOTE: Tight spot in casing @ 6540', rolled and milled csg., probably OK now.**

**FORMATION TOPS:**

MESAVEDE	– 3030'
DAKOTA	– 6580'

**EXISTING PERFS: DAKOTA : (6584' - 6747')**

6584'-85, 6589'-93', 6607'-08, 6709'-6747', 1SPF,  
& 6584'-85', 6589'-93', 6607'-08, 1SPF, reperf in 500 G BDA

**PROPOSED PERFS:** All perfs based on Schlum 4/17/66 Induction Electric Log

Menefee perfs: (20 holes) 4236, 38, 49, 54, 84, 87, 90, 4300, 03, 37, 39, 58, 65, 71, 73, 84, 4402, 16, 18, 20

PLO perfs: (23 holes) 4486, 88, 4502, 04, 11, 13, 21, 23, 42, 45, 60, 76, 78, 92, 94, 4610, 32, 34, 68, 94, 96,  
4772, 74

**NOTE: Top of Cement estimated @ 4315' above a DV tool @ 4800' requires us to run a CBL log to determine cement coverage and isolation of interval to be perforated.**

**Michener #1  
Recomplete to Mesaverde &  
Down Hole Commingle with Dakota  
March 19, 1998**

**1. Pre Work**

- A. Locate and test deadman anchors. Spot flowback pit (20x20) and prepare. Inform operator of work to be done and time frame. Check for location size and equipment placement. Identify any hazards (power lines, H<sub>2</sub>S, tight equipment fits).
- B. Have pressure gauges on both casing and tubing when necessary (during acid, frac, testing).
- C. Hold Safety Meeting before rigging up to discuss potential hazards and meeting place in case of an emergency.

**2. Pull Tubing / RU Wireline / Run TDT Log**

- A. RU. Blow well down (both backside & tbq) and kill with minimum amount of 1% KCl. NU BOP's
- B. POOH w/ 219 joints 2 3/8" tbq string w/SN.
- C. RU Schlumberger Wireline and run CBL & TDT Log from 6000' to 3000'.  
Send to Scott Jordan, Engineering, to pick perforation depths.  
(Office: 915 / 686-5702, fax: 915 / 686-5508)
- D. RIH wireline and set fast drill BP @ 5950', RD wireline.
- E. Pressure test casing to 1000#. If there appears to be a leak isolate and confer w/engineering.

**3. Squeeze Cement / Depending on Perforation depths and cement coverage/isolation**

- A. Determine squeeze depth from CBL log, calc. Cmt volume based on 4.5" csg. In 7.875" bore hole. (.2278 cu. ft. per lin. ft.)
- B. Set fast drill BP, perforate casing, establish injection rate, set cement retainer, suicide squeeze, unsting from retainer, circulate clean, SD WOC.

**4. Drill Out Cement and Clean out to below bottom Mesaverde perforation depth.**

- A. RIH w/ workstring into 4 1/2" csg, drillout cement retainer & cement, & C/O to Mesaverde perforations. Do not drill out BP set at 5,950' until after flowback/clean up test. Blow hole clean and dry and POOH.
- B. Pressure test casing to 3,000 psi to determine if frac string is necessary.

**Two Stage - Perforate Mesaverde Point Lookout / Frac / Set BP / Perforate Mesaverde Menefee / Frac**

**5. Perforate Mesaverde Point Lookout**

RU wireline company and perforate the Mesaverde Point Lookout. All perf's based on Schlum 4/17/66 Induction Electric Log

PLO perfs: (23 holes) 4486, 88, 4502, 04, 11, 13, 21, 23, 42, 45, 60, 76, 78, 92, 94, 4610, 32, 34, 68, 94, 96, 4772, 74

**Michener #1**  
**Recomplete to Mesaverde &**  
**Down Hole Commingle with Dakota**  
**March 19, 1998**

**6. Acidize and Frac Point Lookout**

- A. PU workstring & 4 1/2" treating packer & RIH; spot 15% HCL acid across perfs, and ballout as per BJ procedure.
- B. Pressure test backside to determine if frac string is necessary.
- C. Proceed Slickwater frac, as per BJ attached procedure.
- D. RU wireline, Set fast drill BP above Point Lookout perforations

**7. Perforate Mesaverde Menefee**

RU wireline company; and perforate the Mesaverde Menefee. All perf's based on Schlum 4/17/66 Induction Electric Log.

Menefee perfs: (20 holes) 4236, 38, 49, 54, 84, 87, 90, 4300, 03, 37, 39, 58, 65, 71, 73, 84, 4402, 16, 18, 20

**8. Acidize and Frac Mesaverde Menefee**

- A. PU workstring & 4 1/2" treating packer & RIH; spot 15% HCL acid across perfs, and ballout as per BJ procedure.
- B. PU 7 " treating packer on 3 1/2" frac-string, w/ 2 3/8" slimhole tailpipe & cup assembly, RIH. Position tailpipe into top of 4 1/2" liner, and set 7 " packer. Pressure test backside.
- C. Proceed Slickwater frac, as per BJ attached procedure.

**9. Drill Out Bridge Plug / Clean up & test / Drill out BP and Clean out to PBTD**

- A. After POOH w/ 3 1/2" assembly, RIH w/ workstring into 4 1/2" csg , C/O, drillout BP, & C/O to below Point lookout perforations. Do not drill out BP set at 5,950' until after flowback/clean up test. Blow hole clean and dry and POOH.
- B. RIH 2-3/8" tubing string and hang @ mid MVperforations, swab in if necessary.

Flow-back. Allow to clean-up & get stabilized test rate. NOTE: Length of stabilized rate test dictated by Regulatory. (ie, may need to revise commingle allocations). Four hour stabilized test minimum.

- C. POOH 2-3/8" tubing, RIH w/ bit, string float, & workstring into 4 1/2" csg , C/O, drillout fast drill BP @ 5950', & C/O to PBTD @ 7489', blow hole dry, POOH.
- D. RIH with 2.375" production tubing with Mule shoe and SN on bottom, hang mid Dakota perforations (7,332') plus or minus a joint.

**10. Return Well to Production**

Install plunger equipment and notify operator to install plunger & put in swab mode, put on production.. Monitor well for rate at least one week.

---

West Team

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

98 MAR 23 PM 2:24

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-11679	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code	5 Property Name Michener	6 Well Number 1
7 GRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6004"

10 Surface Location

UL or LR No. E	Section 28	Township 28N	Range 9W	Lot Idn	Feet from the 1605	North/South line North	Feet from the 1085	East/West line West	County San Juan
-------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

11 Bottom Hole Location If Different From Surface

UL or LR No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
--------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Decedent Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

1605'			
1085'			

17 OPERATOR CERTIFICATION

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

*Kay Maddox*  
Signature

Kay Maddox  
Printed Name

Regulatory Agent  
Title

February 20, 1998  
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Date of Survey  
Signature and Seal of Professional Surveyor

Certificate Number



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-1863

Conoco Inc.  
10 Desta Drive  
Suite 100W  
Midland, Texas 79705-4500

Attention: Ms. Kay Maddox

RECEIVED  
MAR 2 7 1998  
OIL CON. DIV.  
DIST. 3

*Michener No. 1  
API No. 30-045-11679  
Unit E, Section 28, Township 28 North, Range 9 West, NMPM,  
San Juan County, New Mexico.  
Blanco-Mesaverde (Prorated Gas - 72319) and  
Basin-Dakota (Prorated Gas - 71599) Pools*

Dear Ms. Maddox:

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 subject well shall be allocated as follows:

Gas and oil production from the Basin-Dakota Gas Pool shall be determined utilizing the mid-year average production forecast submitted by the applicant as an attachment to the downhole commingling application. Gas and oil production from the Blanco-Mesaverde Gas Pool shall be determined by subtracting Basin-Dakota Gas Pool production from the well's total monthly oil and gas production.

*Administrative Order DHC-1863*

*Conoco Inc.*

*March 25, 1998*

*Page 2*

---

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.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 25th day of March, 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
LORI WROTENBERY  
Director

S E A L

LW/DRC

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