

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

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 11, T-29-N R-10-W, A
1100' FNL & 800' FEL

5. Lease Designation and Serial No.

SF 077092B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Houck #2

9. API Well No.

30-045-25805

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 Fracuring
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon result 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.)*

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

RECEIVED
MAR - 1998
GALT, BLM

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

Signed

Kay Maddox

Title

Kay Maddox

Regulatory Agent

Date

March 25, 1998

(This space for Federal or State office use)

Approved by

/s/ Duane W. Spencer

Title

Date

APR - 1, 1998

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

**Houck #2
Recomplete to Mesaverde &
Down Hole Commingle with Dakota
March 24, 1998**

API # -- 300452580500

LOCATION: Section 11, T - 29N, R - 10W, 1100' FNL , 800' FEL, San Juan County.

Objective

Funds in the amount of \$118,000 are requested to recomplete the Houck #2 to the Mesaverde Menefee & Point Lookout sands and down hole commingle with Dakota production. The CBL log on this well looks good across this interval. Proposed perforations correlate to Welex 2/12/85 Dual Induction Log. Addition of this pay should result in a production increase of 400 mcf/d.

Wellbore Specs (See attached Wellview information)

Drilled in 1985, completed in Dakota sands, stimulation consisted of 1200 gals. 15% HCl acid squeeze, followed by slickwater fracture stimulation of the interval 6395' - 6604'.

PBTD: 6842', TD: 6885'.

PROD. CASING: 4-1/2", 10.50#, K-55, 97 joints from 2851" to 6883', TOC @ 3070' CBL 90% bond.

INTERMEDIATE CASING: 7", 23#, J-55, STC, 70 jts., set @ 3002',

FC @ 2942', DV @ 1340', TOC (by temp survey @ 300'

SURFACE CASING: 7 jts., 9-5/8", 36#, K-55 set @ 301', 5 jts., TOC (250 sxs Class B, circ. to surf)

TUBING: 218 joints, 2 3/8" EUE , 4.7#, J-55, set @ 6,766' , (SN & pump out plug on btm).

Note: No packer in hole.

EXISTING PERFS: DAKOTA : 6670' - 6676', 6741' - 6764', (2 SPF).

PROPOSED PERFS: Mesaverde Menefee & Point Lookout Formation:

Menefee perfs (19 holes) 4260, 66, 68, 4307, 10, 21, 27, 32, 4407, 17, 20, 24, 47, 53, 58, 64, 67, 72, 75.

PLO perfs (21 holes) 4563, 67, 73, 4603, 05, 12, 14, 23, 28, 34, 48, 54, 59, 67, 78, 4708, 28, 39, 65, 97, 4800.

PROCEDURE

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, H2S, 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.

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2. Pull Tubing / RU Wireline / Set EZ-Drill BP

- A. RU. Blow well down (both backside & tbg) and kill with minimum amount of 1% KCl. NU BOP's
- B. POOH w/ 218 joints 2 3/8" tbg string.
- C. RIH wireline and set fast drill BP (4850') approx. 50' below bottom proposed perforation to isolate from Dakota.
- D. Pressure test casing to determine if frac can be done down casing.

**Two Stage - Perforate Mesaverde Point Lookout / Frac / Set BP /
Perforate Menefee / Frac / Clean Up & Test (Frac same day!)**

3. Perforate Mesaverde Point Lookout

RU wireline company and perforate the Mesaverde Point Lookout.

PLO perfs (21 holes) 4563, 67, 73, 4603, 05, 12, 14, 23, 28, 34, 48, 54, 59, 67, 78, 4708, 28, 39, 65, 97, 4800.

4. Acidize and Frac Point Lookout

- A. RIH with work string and treating packer and spot 15% HCL acid across perfs, and break down ballout as per BJ procedure.
- B. POOH work string and treating packer. RU BJ's frac equipment.
- C. Proceed Slickwater fracc down casing, as per BJ attached procedure.
- D. RU wireline, Set fast drill BP above MV PLO perforations.

5. Perforate Menefee

RU wireline company and perforate the Menefee.

Menefee perfs (19 holes) 4260, 66, 68, 4307, 10, 21, 27, 32, 4407, 17, 20, 24, 47, 53, 58, 64, 67, 72, 75.

6. Acidize and Frac Menefee

- A. PU workstring & 4 1/2" treating packer & RIH; spot 15% HCL acid across perfs, and ballout as per BJ procedure.
- B. Frac down casing unless a frac string was required.
- C. Proceed Slickwater frac, as per BJ attached procedure.

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

- A. Drillout BP, & C/O to below Mesaverde Menefee and Point Lookout and flowback/clean up test through tbg, obtaining 4 hour stabilized test. . After stabilized test, drillout last BP over DK, blow hole clean and dry and POOH.

Note: This will be a commingled well, we will need short but stable production tests on the MV interval seperately.

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.

- B. RIH with 2.375" production tubing with Mule shoe and SN on bottom, hang top Dakota perforations (6,640') plus or minus a joint tubi. Original tubing depth was 6776'

8. 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

Cc: Well file, Tom Lenz, Linda Hernandez, Greg Vick (Farmington)

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

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

~~(Revised February 21, 1994)~~

Submit to Appropriate District Office

Fee Lease - 3 Copies

070 FARMINGTON, NM

☐ AMENDED REPORT

API Number 30-045-25805	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code	5 Property Name Houck	6 Well Number 2
7 OGRID No 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 5833'

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	11	29N	10W		1100	North	800	East	San Juan

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres	13 Joint or Infil	14 Consolidation Code		15 Order No.					
320 3/16-50									

A 4x4 grid with a dashed line along the top. A point labeled 'O' is located at the intersection of the first vertical line from the right and the first horizontal line from the top. A vertical arrow points down from 'O' with the label '1100'' and a horizontal arrow points left from 'O' with the label '800''.

Signature Kay Maddox
Kay Maddox

Printed Name _____

Regulatory Agent

Title 21 10-1

Date 7/7

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 _____