

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

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 Drive, Suite. 100W Midland, Texas 79705-4500 (915) 686-5424

4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description)

1650' FNL & 1650 FWL, UNIT LETTER 'F10' SEC. 30, T32N-R10W

5. LEASE DESIGNATION AND SERIAL NO.

SF 076554

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. IF UNIT OR CA, AGREEMENT DESIGNATION

HAMILTON

8. WELL NAME AND NO.

HAMILTON #2A (SIDETRACK)

9. API WELL NO.

30-045-21643

10. FIELD AND POOL, OR EXPLORATORY AREA

BLANCO MESA VERDE

11. COUNTY OR PARISH, STATE

SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(s) 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:

- ☒ Change of Plans/Procedure
☐ 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.)

**SEE THE REVISED ATTACHMENT FOR ADDITIONAL INFORMATION ON
PERF'S AND FRAC PROCEDURES**

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

SIGNED

Sylvia Johnson

TITLE SYLVIA JOHNSON, As Agent for Conoco Inc.

DATE 8/12/98

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

Conditions of approval, if any:

ACCEPTED FOR RECORD

OCT 05 1998

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.

COPY

Hamilton #2A Sidetrack
MV Completion Procedure
August 11, 1998
AFE 51-61-8330
API # — 30-045-21643
REVISED W/ PERFS —8/9/98

Objective

Complete and put on production the subject new well as a Mesaverde producer. The original intent was to complete a high angle sidetrack well, but due to complications/casing fish, the high angle sidetrack wellbore was abandoned, and a blind-sidetrack performed.

The well will first be cleaned out, and TDT and CBL cased hole logs run. After perfs are picked, the Mesaverde interval will be completed and fracture stimulated (three stage, slickwater system). The MV completion will then unloaded w/ air, and put on production to sales immediately after the workover rig moves off.

Well Description:

Lease: Hamilton

Well #: #2A

Pool Name: 72319 Blanco Mesaverde

Lease Designation/Serial #: SF 076554 Conoco Working Interest: 100%

Location: 1650' FNL, 1650' FWL, Section 30, T32N, R10W, San Juan Co.

GL Elev: 6115', KB Elev: 6132.5'

S/T Spud date: July 13, 1998. Drilling rig moved off: August 5, 1998.
(Original well drilled in 1975)

TD: 5500'; PBTD (proposed): 5470' (FC @ 5454').

CASING/CEMENT:

ORIGINAL '75 WELL:

10 3/4", 32#, J-55 ST&C set @ 167'.

Cemented to surface.

7", 23# & 29#, K-55 LT&C set @ 3187'.

Cemented w/ 175 sxs to surface. NOTE: PC interval sqzd w/ 200 sxs, 2908'-18'

S/T WELL:

4 1/2", 11.6# K-55, 129 joints, set @ 5500' (to surface). Window in 7" @ 2960'. Max dev—2 degrees.

Cemented w/ 300 sxs DS Class G 50/50 Poz, 13.5 ppg; 1.36 cu ft/sx yield. FC @ 5454'

Cement should be up through window area.

ANTICIPATED TOPS:

MV/CLH—4748'; MV/PLO—5178'

NOTES:

*Big A #42 Drilling rig was released on 8/5/98. Drilled blind sidetrack on air-mist. Due to high fracture feature not being hit w/ high angle sidetrack, coupled w/ 2000' of casing fish, high angle wellbore plugged-back; blind drilled.

*DS primary cement job went well. Goal is to have cement up through window area. CBL LOOKED GOOD.

*No open hole logs run in well. CBL and TDT cased hole logs required (and copies sent to Clif Bias, Scott Jordan, BLM, Midland and Farmington office files). ACQUIRED.

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.
- Ensure all Regulatory approvals obtained prior to starting work. Prior to doing any remedial cement work, contact BLM, Wayne Townsend, @ 505- 599- 6359, to witness work.

2. Clean-out well; run TDT/CBL; pressure test

- A. RU. NU BOP's. Pressure test/pump into 4 1/2" backside, to verify cement up through window.
 - B. RIH w/ bit & scraper and clean-out 4 1/2" casing to FC @ 5454', then on down to proposed PBTD @ 5470'. Circulate hole clean w/ clean water. Pressure test casing to 4200 psi.
- Run TDT/GR log from PBTD to window @ 2960'. Run CBL/GR/CCL log across same interval, attempting to find TOC up in 7" csg. PRESSURE UP TO 2000 PSI IF NECESSARY IF MICROANNULUS EFFECTS EXIST. Fax logs to Midland office ASAP, to continuous fax @ 915-686-6112. Contact either Scott Jordan, Craig Moody (ext 5472) or Cliff Bias when logs are faxed. Wait on Engrs for perf information, or any required remedial cementing procedures. CBL LOOKED GOOD!!!!

3. Stage 1 Completion — MV PLO

NOTE: Rate/Pressure drop to be LESS than 1.75 bpm/perf or higher or 800 # diff, as done on 19M

NOTE: Stage 1, 2 & 3 completions can be scheduled same day, if daylight sufficient.

Perforate the MV PLO, from perfs provided by Engr based on TDT log. Use a 3-1/8" HSC Halliburton select-fire gun and 16 gram, 305 charges that yield a 0.37" hole . 28 holes total, with bottom lobes having minimum shots of 2 each. HOLES AS FOLLOWS:

Correlate to Schlum TDT log

PLO perfs (28 holes) 5181, 85, 87, 96, 99, 5221, 25, 27, 41, 51, 62, 64, 66, 73, 78, 80, 97, 5306, 17, 23, 51, 88, 97, 5407, 16, 29, 40, 48

- b. Acidize/ Fracture stimulate

*****Pin-point acidize perfs ***** (if gauge available, hang off packer). Fracture stimulate using slickwater system down casing. Obtain 5, 10, 15 min ISIP's.

- c. Set drillable plug over PLO completion. Pressure test to 2500 psi.

4. Stage 2 Completion – MV Menefee (Standard Slickwater)

Perforate the Menefee , from perfs provided by Engr based on TDT log. . Use a 3-1/8" HSC Halliburton select-fire gun and 16 gram, 305 charges that yield a 0.37" hole . 28 holes total, with lower lobes having minimum of 2 perfs/interval.

Menefee (28 holes) 4897, 4900, 18, 36, 41, 57, 64, 69, 76, 87, 91, 97, 99, 5001, 23, 30, 37, 44, 48, 52, 58, 60, 62, 77, 79, 94, 5100, 02

- b. Acidize/ Fracture stimulate

As per BJ procedure, acidize/ball-off perfs, then proceed to fracture stimulate using slickwater system down casing. Obtain 5, 10, 15 min ISIP's.

- c. Set drillable plug over Menefee completion. Pressure test to 2500 psi.

5. Stage 3 Completion – MV Cliffhouse

Perforate the Cliffhouse , from perfs provided by Engr based on TDT log. . Use a 3-1/8" HSC Halliburton select-fire gun and 16 gram, 305 charges that yield a 0.37" hole . 28 holes total .

Cliff House (28 holes) 4448, 52, 56, 60, 4500, 57, 64, 66, 4603, 18, 90, 97, 4740, 54, 58, 60, 72, 76, 82,

88, 96, 98, 4806, 11, 14, 35, 38, 43

b. Acidize/ Fracture stimulate

Preferred to pin-point acidize; but due to timing/logistics, ballout can be done. Based on BJ procedure, proceed to fracture stimulate using slickwater system. . Obtain 5, 10, 15 min ISIP's.

6. Clean-out/ drill-out MV plugs & unload

RIH w/ workstring and cleanout/ drill-out stage plugs to PBTD. Unload MV using gas; allow MV to cleanup, and obtain test for C-104.

7. Put Well on Production

Proceed to POOH w/ workstring and RIH w/ 2-3/8" tubing and SN to top PLO perf. Swab in or proceed to put on plunger lift. Verifying C-104 application completed, turn to production sales.