

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.

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 31, T-30-N, R-10-W, H
1650' FNL & 968' FEL

5. Lease Designation and Serial No.

SF 078194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

1 Ludwick LS #8

9. API Well No.

30-045-09028

10. Field and Pool, or Exploratory Area

BLANCO Mesaverde 72319

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

Pay Add

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracuring
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon 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.)*

It is proposed to perforate the Mesaverde Menefee in this well. The well is currently producing from the Mesaverde Point Lookout. The attached procedure will be used.

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

Signed

(This space for Federal or State office use)

Approved by

Conditions of approval if any

Kay Maddox

Title

Regulatory Agent

Date

January 20, 1999

Title

/S/ Duane W. Spencer

Date

FEB 10 1999

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

LUDWICK LS #8
Mesaverde Menefee Pay Add
January 18, 1999

AFE# _____

API# 300450902800

**Location: Township – 30N, Range – 10W, Section – 31H, 1650 FNL, 968 FEL,
San Juan County, New Mexico.**

Funds in the amount of \$58,000 are requested to perforate, stimulate, and add Mesaverde Menefee production to the Ludwick LS #8. Addition of this pay should increase production by 150 Mcfgd and help to improve upper and lower Point Lookout production by supplying energy to operate the plunger lift system and keep the subject well unloaded and optimized.

Work Plan

- Move in work over rig and pull 2-3/8" production tubing standing back.
- RU wireline, set bridge plug above Point Lookout perforations in 4-1/2" production liner @ 4690'.
- Pressure test casing to 200 psi.
- Perforate Menefee interval 4340' - 4655'. (28 holes) 4340, 42, 44, 46, 55, 57, 59, 4400, 02, 04, 18, 20, 4511, 13, 15, 17, 19, 66, 68, 70, 72, 74, 4602, 04, 47, 49, 53, 55.
- RIH with 2-3/8" tubing, break down perforations with straddle packer and HCl acid and POOH.
- Run 2-7/8" frac string and set treating packer in top of 5-1/2" liner @ 4300' (top of liner is @ 4252') due to cement and casing age. Perform single stage stimulation as per BJ's recommendation, monitor backside pressure.
- Flow back and clean up and test, POOH with frac string and packer.
- Pick up 3-3/4" bit, RIH with 2-3/8" tubing and clean out, drill out BP, clean out and unload wellbore to TD.
- POOH bit and tubing, RIH mule shoe and SN on bottom of 2-3/8" production tubing and land @ 4725 + or – one joint.
- Put on plunger lifted production and optimize.

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!
- 2) Kill tubing with minimum amount of KCl

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SUBMIT IN TRIPLICATE	
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. SF 078194
2. NAME OF OPERATOR CONOCO INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS AND TELEPHONE NO. 10 Desta Drive, Suite. 100W Midland, Texas 79705-4500 (915) 686-5424	7. IF UNIT OR CA, AGREEMENT DESIGNATION Ludwick LS
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 1650' FNL & 968' FEL, UNIT LETTER "H 12", Sec. 31, T30N-R10W	8. WELL NAME AND NO. Ludwick LS #8
9. API WELL NO. 30-045-09028	
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	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: <u>MV Menefee Pay Add</u> <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> 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 attached Summary.	
14. I hereby certify that the foregoing is true and correct	
SIGNED <u>Verla Johnson</u> (This space for Federal or State office use)	TITLE <u>VERLA JOHNSON, As Agent for Conoco Inc.</u> DATE <u>6-22-99</u>
APPROVED BY _____ Conditions of approval, if any:	TITLE _____ DATE _____

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* See Instruction on Reverse Side

AUG 04 1999

MMOCD

MINING FIELD OFFICE

CONOCO INC.
LUDWICK LS #8
API #30-045-09028
1650' FNL & 968' FWL, UNIT LETTER "H 12"
Sec. 31, T30N-R10W

6/7/99 Move in pulling unit, rig up and spot equipment. Blew down well, kill well 20bbls of 1% KCL. NDWH, NUBOP. Remove tbg. hanger. POOH with tbg, first 6 stands had 20' joints, laid down six joints that had bad slip marks and were dog leg at collars, some scale.

6/8/99 Blow well down, RU wireline co. RIH with comp. plug; set at 4686'. POOH with setting tool. Load csg. test csg to 200# held OK. Ran GR/CCL from 4686' to 4100'. POOH with logging tool. RIH with 3 1/8" select fire perf gun. Perf. Menefee interval as followed: 4340', 42', 44', 46', 55', 57', 59', 4400', 02', 04', 18', 20', 4511', 13', 15', 17', 19', 66', 68', 70', 72', 74', 4602', 04', 47', 49', 53', 55', (28 holes) POOH with perf. gun. Well on vacuum. RD wireline co.

6/9/99 O# press. RIH with 2 joints of 2 7/8" tbg, with cups for 5 1/2" liner, 7" treating packer and 4230' of 3 1/2" frac string. Set packer. Test backside to 200#, tested OK.

6/10/99 RU acid pump truck, acidized well with 500 gals. 15% HCl. (pressure backside to 200#) break point was 3500# 3BPM at 1500#. Frac well with 15# LOW GEL, 54390 gals. 69580# AZ Silica 20/40, and 27880# of Super DC, 20/40 sand. Avg. treating press. 4000# at 28BPM. ISDP 1400# in 15 mins. 1000#. Total Prop. Qty. 97460# RD Frac unit.

6/11/99 Tbg on a vacuum. Release packer. POOH with 3 1/2" tbg with 5 1/2" Hallib Packer. Laid down all 3 1/2" tubing in singles. Change all equipment to 2 3/8". RIH with 4 1/8" bit with 2 3/8" tubing to 2000'. Start up 2 drill gas compressors, and try to unload well. Compressors kept going down, too much drip in El Paso's line. Tried to blow gas line dry, could not. SHUT DOWN

6/14/99 Check pressures, well on a vacuum. Tried to start gas compressors, would not start because of drip in El Paso's lines. Reported problem to El Paso, they will blow and clean out lines as soon as possible. Rigged up Weatherford's air foam unit. Staged in hole blowing fluid out of well. Tagged fill @ 4480'. Cleaned sand to 4690' and tagged composite plug. Blowed well clean.

6/15/99 Check pressures. Csg - 680 psi. Blow well down. Blow well with air foam unit, unload approx 30 bbls. Clean well from 4690' to allow well to clean up. Pulled tubing up to 4250' and flowed well up the tubing without a choke to allow well to clean up.

6/16/99 With 2 3/8" tubing @ 4250', installed 1/2" choke nipple. El Paso blew their drips on their lines; we tried to start and run 2 drill gas compressors, but still had too much liquid for compressors. Started up Weatherford's Air Foam unit and unloaded well. Cleaned well with air and foam, shut down unit and flowed well up the tubing with 1/2" choke nipple. Drywatched and tested the well thru the night. With 2 3/8" tubing @ 4250' Tbg - 80 psi. Csg - 300 psi. MCFPD = 528 10 bbls water, 0 bbls oil. Test witnessed by Wesley Herrera with Key Well Service.

6/17/99 Drywatched well thru the night. Csg - 300 psi and tubing - 80 psi. Well flowing thru 1/2" choke nipple. RIH with 4 1/8" bit and 2 3/8" tubing. Tagged sand @ 4681'. Started Weatherford Air Foam Unit and cleaned sand to Hallib Fas Drill Plug @ 4686'. Drilled up plug @ 4686'. Continued to RIH to PBTD @ 4973'. Circulated on bottom, and cleaned well. POOH with tubing and bit. RIH with Mule Shoe Collar, SN and 2 3/8" tubing. Ran tubing to PBTD @ 4973'. NO FILL. Pull up and land 2 3/8" tubing @ 4725' with KB. TOTAL TUBING 151 jts. NDBOP and NUWH. Blow well to unload fluids. Well flowing up the tubing

6/18/99 Check well head pressures. Csg - 360 psi. Tbg - 360 psi. Rig down Blewie line. Rig down and move off location. FINAL REPORT