N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

Form 3 160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 3 1 ,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 TRIPLICA TE

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 30, T-20-S, R-38-E, L
1650' FSL & 450' FWL

5. Lease Designation and Seriai No.
LC 031695A

6. If Indian, Allonee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
SEMU #134

9. API Well No.
30-025-34382

10. Field and Pool, or Exploratory Area
North Hardy Tubb Drinkard

11. County or Parish, State
Lea Co., NM

In CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Repon	☒ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracrunng
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water

(Note: Reponresultsof multiplecompitiononWdl Completion or Recompletion Report and Log form.)

13. Describe Proposed or Compieted Operations (Clearly state ail 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 recomplete this well to the Tubb using the attached procedure.

14. I hereby certify that the foregoing is true and correct
Signed Kay Maddox Title Kay Maddox -Regulatory Agent Date 1/12/2000

(This space for Federai or State office use)
Approved by (ORIG. SGD.) ALEXIS C. SWOBODA Title PETROLEUM ENGINEER Date JAN 20 2000
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 junsdiction.

*See Instruction on Reverse Side

SEMU No. 134
Tubb Recompletion Procedure

LC 03 1695 A

Location: 1650' FSL & 450" FWL of Sec. 30, T20W, R38E

Objective: Temporarly plugback the Strawn and recomplete to the Tubb formation from 6,478 to 6,524'. The Tubb zone will be swab tested after the breakdown and if it flows a pressure buildup will be performed. After the buildup or if the well is unable to flow the Tubb will be fracture stimulation with a similar treatment as the one performed on the SEMU No. 136 well. The well will be placed on pump and tested until such time the well has stablized and enough data is collected to properly allocate production between the Strawn and Tubb. The well will then be commingled with the Strawn

The reservoir pressure is expected to be normally pressured at approximately 2,800 PSIG. The well is expected to produce oil at rates between 100 BOPD up to 600 BOPD. The current allowable in the Tubb is 142 BOPD.

TD: 7,850'
PBTD: 7,685' (CIBP @ 7,685')

			Burst	Collapse
Casing:	8 5/8", 24 #/ft., J-55, ST&C	0 to 1383'	2,860	1,370
	5 ½", 15.5 #/Ft., J-55, ST&C	0 to 7,124'	4,810	4,040
	5 ½", 17 #/Ft.,	7,124' to 7,850'		

Cement Detail: Cemented with lead slurry of 1,695 sks of 35/65 Poz Class C cement containing 6% gel followed by tail slurry of 525 sks of Class C cement. Circulated to surface with 35 sks of returns. Bumped plug at 7:00 PM on Aug 10th with 2,300 PSIG. Displaced cement with 9 lb/gal brine

Tubing:	2 7/8", L-80, 6.5#/Ft., EUE	0 to 7490'	10,570	11,160

Perfs: 7546' to 7654' (Total 108')

Safety Reminders

1. **Insure all personnel have the proper personal safety equipment. Safety shoes, safety glasses or goggles, hardhat, gloves and ear protection.**
2. **Notify all personnel of fire extinguisher, first aid equipment, and shower station locations.**
3. **Make everyone aware of escape routes from the work area.**
4. **Keep anyone not needed for the specific operations away and out of "harms way".**
5. **Inform personnel that ANYONE has the right to stop the job.**
6. **Review stimulation with BJ and test portable shower prior to beginning job.**
7. **Fill out the "Quality Improvement" Job Evaluation from with the Engineer/Project lead.**
8. **Use "STOP" training to evaluate the location and peoples actions.**

Procedure:

1. RU pump truck and load the backside with 100 bbls of 2%KCL water.

2. MIRU pulling unit. POOH with 7548' of 7/6 "KD" rod string. Visually inspect rods and lay down any that are pitted. Send the pump in to be inspected and re-built to be re-run for testing the Tubb. NU the BOP stack. Test the BOP's according to SOP.

3. Release the tubing anchor at 7475' and POOH with approximatly 7,500' of 2 7/8" L-80 tubing.

4. PU 5 ½" RBP and TIH to set at 7,500'. Circulate hole with 180 bbls of 2%KCL water. Pressure test RBP to 1000 PSIG. POOH with 2 7/8" tubing.

5. RU Baker Atlas. RIH with bailer and spot 2 sks of sand on top of RBP at 7,500'. Install lubricator and PU 4" hollow carrier casing guns loaded 4 SPF in 90 degree phasing with 19 gm Titan charges and perforate the following lower Tubb intervals:

Interval	NEP	Shots
6,478' to 6,512'	34	68
6,518' to 6,524'	6	12
Total	**40**	**80**

Safety Note: All 2 way radios and phones are to be turned off while perforating for a distance of 500'. Warning signs are to be posted on all incoming roads.

6. TIH with 5 ½" treating packer and set at 6,400'.

7. RU temporary well test facilities consisting of a choke manifold, a portable stack pack separator, a test tank and a flare stack.

8. RU BJ for acid breakdown. Install anchored treating line with nitrogen set pressure relief valve and remote ball injector. Install backside relief line with nitrogen set pressure relier valve. Load the backside and pressure test the packer to 2,000 PSIG. Set backside relief valve to relieve at 1500 PSIG. Bleed the backside pressure to 900 PSIG and leave to monitor throughout treatment. Test treating lines to 6,000 PSIG. Set the relief valve to relieve at 4,300 PSIG. Load the tubing and perform a 2,000 gal 15% HCL breakdown at 5-7 BPM. Drop 100, 7/8" , 1/3 sg ball sealers throughout treatment. Maximium treating pressure will be 5,000 PSIG. Overdisplace treatment by 2 bbl. Record 5, 10 and 15 minute shut-in pressures. Surge the balls off perforations and bleed the casing pressure once tubing pressure is below 4,000 PSIG.

9. Swab test the Tubb and determine productivity . If the well unloads and the Tubb flows, establish a constant rate and a procedure will be issued to run a pressure buildup test.

10. Following the build-up or if the well dies, load the tubing with 2% KCL water, release the packer and drop down to wipe any balls off perforations. TOOH with 2 7/8" tubing laying down approximatly 1,000'.

11. Prepare for fracture stimulation of the Tubb. Spot 4, steamed clean 500 bbls. Frac tanks and fill with clean fresh water. Add 1 gallon of Magnacide to each frac tank.

12. ND the BOP stack and install adaptor flange with 3" X 5,000 WP frac valve. Test flange to 5,000 PSIG.

13. MIRU BJ. Install anchored treating lines with nitrogen actuated pressure relief valve. Install anchored relief line to the pit. Treating lines to be tested to 5,000 PSIG. Set relief valve to relieve at 4,300 PSIG. Maximum treating pressure will be 4,000 PSIG at a rate of 40 BPM. . Frac the Tubb as per the attached BJ recommendation using 143,000 lbs of 16/30 tempered LC tailed in with 40,000 lbs of Super LC. Tag the frac using a single istope radio active tag. Pump stages as follows:

    a. Load casing and establish rate at 40 BPM with 90 bbls of gel water pre-pad
    b. Pump 90 bbls of pad containing --- lbs of 100 mesh and --- lbs of silica flour
    c. Pump 167 bbls average 3.5 ppg ramped Tempered LC 16/30 sand
    d. Pump 167 bbls average 6.5 ppg ramped Tempered LC 16/30 sand
    e. Pump 167 bbls average 9.0 ppg ramped Tempered LC 16/30 sand
    f. Pump 95 bbls average 10.0 ppg ramped Super LC 16/30 sand
    g. Pump 149 bbls of base gel (Underdisplace 2 bbls from top perforation)

    Shut down and record 5, 10 and 15 minute pressures. RD BJ and begin flow back as soon as possible after 15 minute shut-in. Initially flow back on a 12/64" choke. Flow back bottoms up or until the well is dead. Pump 10 ppg brine water to kill the well if required. Leave well shut-in overnight to insure the well is dead.

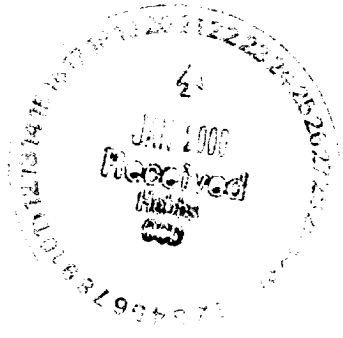
20. Remove the frac valve and install BOP stack.

21. RIH with sand line bailer and tag PBTD at approximately 7,500'. Clean out if necessary.

22. RU electirc line company. Install lubricator and RIH with GR to run post frac log.

23. TIH with 2 7/8" , L-80 tubing with the same bottom pump assembly that was pulled from the Strawn completion: 2 7/8" SOPMA, seating nipple and tubing anchor . Space out to set the SOPMA approximatly 20' below the bottom perforation at 6,524' and the tubing anchor at 6,400'. ND BOP stack . TIH with ---------- pump on 7/6 , "KD" rod string.

14. . Place on pump and RD pulling unit.



District I
PO Box 1980, Hobbs. NM 88241-198

District II
PO Drawer DD, Artesia, NM 88211-071

District III
1000 Rio Brazos Rd. Aztec, NM 8741

District IV
PO Box 2088, Santa Fe. NM 87504-208

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	2 Pool Code	3 Pool Name
30-025-34382	96356	North Hardy Tubb Drinkard

4 Property Code	5 Property Name	6 Well Number
013492	SEMU	# 134

7 OGRID No.	8 Operator Name	9 Elevation
005073	Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	3511'

10 Surface Location

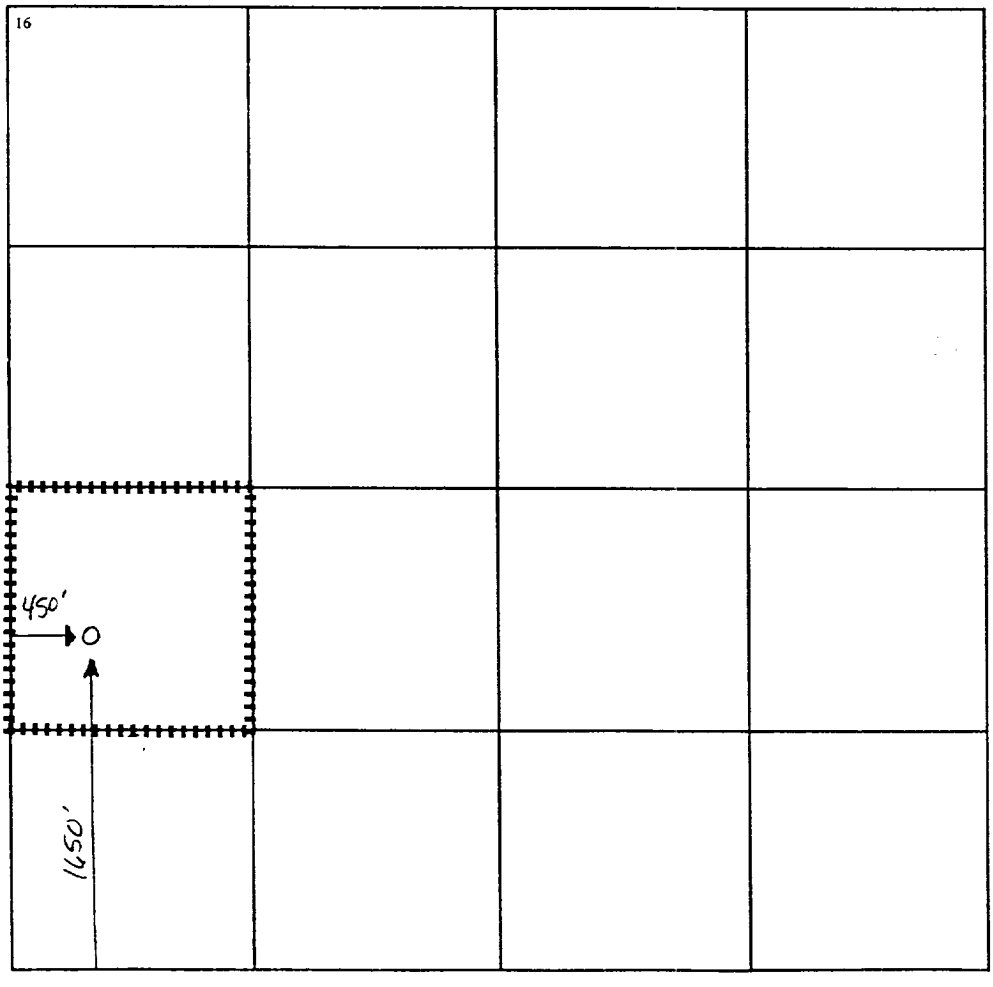
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	30	20S	38E		1650'	South	450'	West	Lea

11 Bottom Hole Location If Different From Surface

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.
40			NSL Order # 3854

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



17 OPERATOR CERTIFICATION

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

Signature: Kay Maddox

Printed Name: Kay Maddox

Title: Regulatory Agent

Date: January 12, 2000

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