

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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 20, T-20-S, R-38-E, K
1880 FSL & 1980 FWL

Lease Designation and Serial No.

LC 031670B

6. If Indian, Allenee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SEMU # 62

9. API Well No.

30-025-07835

10. Field and Pool, or Exploratory Area

North Hardy Strawn

11. County or Parish, State

Lea Co., NM

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: Reponresultsof multiplecompletionWell 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.)*

Conoco proposes to perforate and test the Strawn in this well using the attached procedure.

OPER. OGRID NO. 5073

PROPERTY NO. 13492

POOL CODE 96893

EFF. DATE 8/14/01

API NO. 30-025-07835

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

Signed

Kay Maddox

Kay Maddox

Title - Regulatory Agent (915) 686-5798

Date July 27, 2001

(This space for Federal Agency Use)

FOR: SDB: ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Approved by

Title

Date

AUG 01 2001

BLM(6), NMOC(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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994
instructions on back

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

OIL CONSERVATION DIVISION

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-07835		2 Pool Code 96893	3 Pool Name North Hardy Strawn
4 Property Code 13492	5 Property Name SEMU		6 Well Number #62
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500		9 Elevation 3550

10 Surface Location

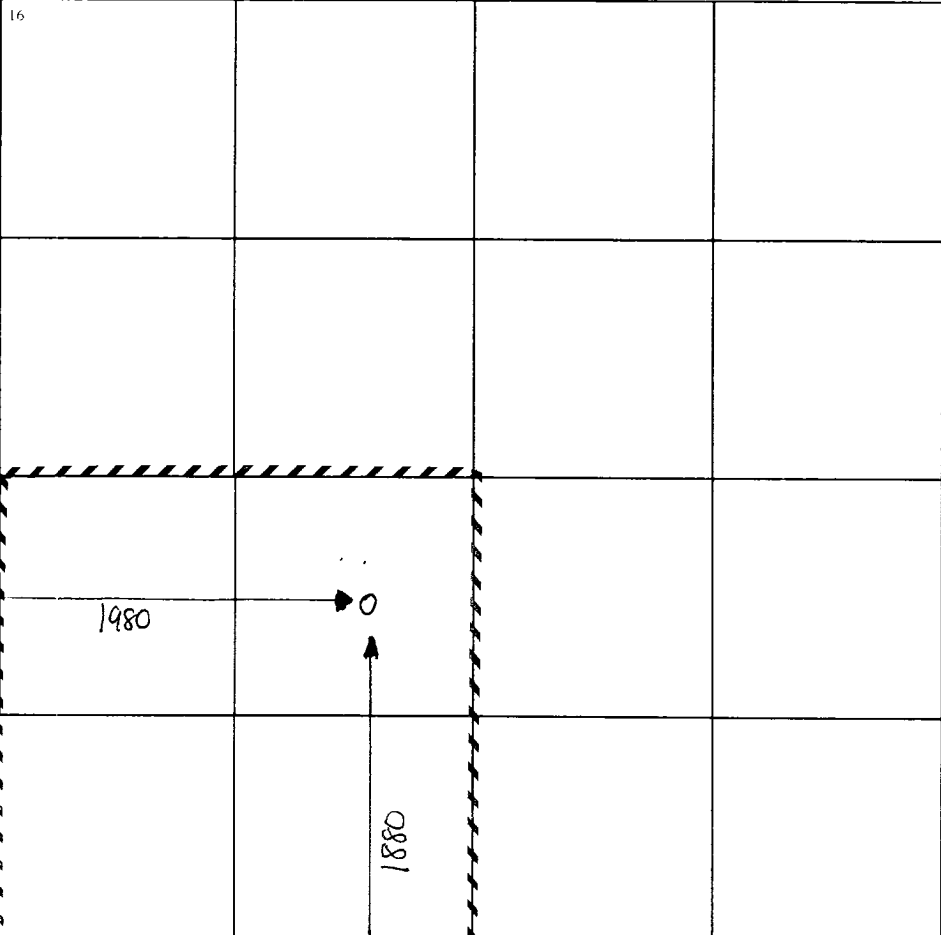
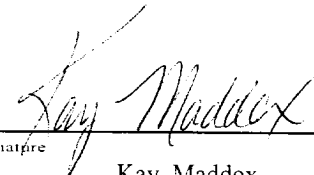
UL or lot no	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
K	20	20S	38E		1880	South	1980	West	Lea

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
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

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

<div>16</div> 	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <div> Signature Kay Maddox Printed Name Regulatory Agent Title July 27, 2001 Date</div>	
	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. <div><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor:</div></div>	
	Certificate Number	

SEMU McKee No. 62
Strawn Production Test

WELL INFORMATION:

Current Status: TSI Injection Well
Last Action: April 2001, Pulled tubing and packer. Made a bit and scraper run. Set a CIBP at 8870' and dumped 35' cement on the plug. Tested casing to 1,500 PSIG and ran cement bond log.

Location: 1880' FSL & 1980' FWL, Sec. 20, T20S, R38E, Lea County, NM

TD: 9236'
PBTD: 8835' (CIBP set at 8870' with 35' of cement on top)
GLE: 3,550'
KBE: 3,563' (13' AGL)

Top of Cement: 6160' (Reported by Temp Survey TOC 5 1/2" Csg.)
 1500' (Reported by Temp Survey TOC 7 5/8" Csg.)

Pipe	Depth (ft)	Drift ID (inches)	Collapse 100% (psi)	Burst 100% (psi)	Capacity (bbl/ft)
10 3/4", 32.75 #/ft, H-40,	255				
7 5/8", 24 & 26 #/ft. H-40 & N-80	3999	6.844	2040	2750	.0479
5 1/2", 15.5 & 17 #/ft, J-55 & N-80	9236'	4.767 (17#/ft)	4040 (15.5 #/ft)	4810 (15.5 #/ft)	.0238

Orig. McKee
Perforations: 9067-70, 9076-80, 9085-91, 9103-12, 9122-23, 9132-42, 9148-56, 9165-66
Add Perfs 01/90 9070-90, 9110-30, 42-46, 58-78

Proposed Strawn
Perforations: 7716' to 7727' (2 SPF)

Reservoir Press. 3,000 PSIG or a 0.38 psi/ft gradient

Procedure:

1. RU workover rig. Install BOP stack and test to 3,000 PSIG according to SOP's.
2. RU electric line company. Install lubricator and TIH with 4" hollow carrier perforating guns loaded 2 JSPF in 120 degree phasing to perforate the following Strawn intervals. Correlate depths to the CBL dated April 25, 2001.

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.

	<u>NEP</u>	<u>Shots</u>
7716' to 7727'	11	22

3. TIH with 2 7/8", N-80 workstring with 5 1/2" CS-1 treating packer, wireline re-entry guide with a 2.19" ID "R" nipple. Hydrostatically testing tubing to 7,000 PSIG. Set the packer at 7,600'. Pressure test the annulus to 2000 PSIG.
4. RU BJ. Install a staked treating line with a nitrogen actuated relief valve on the tubing/casing annulus and a second nitrogen actuated valve on the treating line with a remote automated ball injector. Pressure test treating lines to the frac valve to 6,000 PSIG. Set relief valve at 5,500 PSIG. **Close the casing valve and pressure up on the casing to set the backside relief valve at 2000 PSIG. Bleed off casing pressure to 1500 PSIG and maintain backside pressure throughout the treatment.**
 - a. Pump breakdown across lower Strawn interval by pumping 2000 gals of 20% NEFE containing 30, 7/8" 1.3 SG ball sealers at a rate of 4 BPM.
 - b. Displace acid to bottom perforation and shut down to record 5, 10 and 15 minute ISIP pressures.
 - b. Surge balls off perforations.

TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	5000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system	4800	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	4300	PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	4000	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	3600	PSIG

5. RD BJ. Swab test well into a temporary test tank to determine productivity.
- a. If the well is considered to be commercial,** load the tubing to kill the well. Release the packer, TOOH and lay down the packer and tubing. ND the BOP stack. Reinstall adapter flange with pressure gauge on the tubing head. RDMO. An AFE to finish the completion and to purchase and install artificial lift equipment and surface facilities will be required prior to completing the remainder of the procedure.
- b. If the well is considered non-commercial,** load the tubing to kill the well. Notify the NMOCD 24 hours prior to the abandonment. Release the packer, TOOH and lay down the packer and tubing. RU electrical line company and TIH to set a CIBP at 7,700'. RU dump bailer and RIH to dump 35' of cement on top of the CIBP. Perform casing integrity pressure test as per NMOCD regulations for permanent shut-in status. RDMO.

Cost Estimate (Assuming watercut commercial well)

Workover Rig (5 Days)	\$ 7,500
7700' 2 7/8" , L-80 Tbg.	3,000
Breakdown Stimulation	6,500
Elec. Line Services	4,000
BOP Rental	2,000
Water Hauling	1,000
Prod. Packer & Services	7,000
Temporary Prod Facilities	1,000
Misc.	<u>1,000</u>
Total	\$ 35,000