

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
License Designation and Serial No.

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	6. If Indian, Allottee or Tribe Name LC 031670B
2. Name of Operator CONOCO INC.	7. If Unit or CA, Agreement Designation
3. Address and Telephone No. 10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424	8. Well Name and No. SEMU # 114
4. Location of Well (Footage, Sec., T. R. M. or Survey Description) Section 29, T-20-S, R-38-E, C 810' FNL & 2130' FWL	9. API Well No. 30-025-26767
	10. Field and Pool, or Exploratory Area Wildcat 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	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Repon	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracuring
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Repon result of multiple completion on Wdl 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 recomplete this well to the Strawn using the attached procedure.

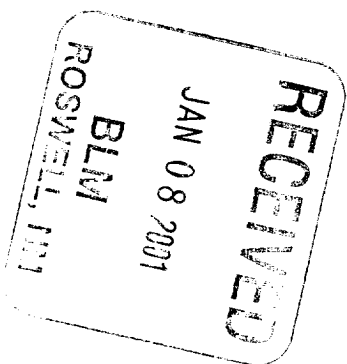
OPERATION NO. 5073
PRODUCTION NO. 3081
WELL NO. 96893
DATE 30-025-26767

14. I hereby certify that the foregoing is true and correct	Kay Maddox	Date	January 5, 2001
Signed <i>Kay Maddox</i>	Title - Regulatory Agent (915) 686-5798		
(This space for Federal or State office use) Approved by (ORIG. SGD.) ALEXIS C. SWOBODA	PETROLEUM ENGINEER	Date	JAN 16 2001
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 jurisdiction.

*See Instruction on Reverse Side



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ROSWELL, NM

SEMU No. 114
Strawn Test Procedure
December 21, 2000

Location: 810' FNL & 2130' FWL of Sec. 29, T20S, R38E

TD: 9100'

Orig. PBTD: 9060' (Depth of Original Float Collar)

Current PBTD: 8850' (Depth of CIBP)

Project Scope & Wellbore History:

The intent of this project is to determine the reservoir content and productivity of the Strawn formation via a short term production test of the SEMU No. 114 well. The procedure will consist of testing the casing, perforating a 10' Strawn interval, performing a 3,000 gal acid breakdown and swab testing to determine reservoir content and productivity. If, based on swab testing, the well appears to be commercial an AFE for the recompletion and facilities will be generated and issued to partners for approval. Total cost for the reservoir test is estimated at \$31,500.

The SEMU No. 114 well was drilled and completed as a water injection well for the SEMU McKee Waterflood in 1981. In Nov 1993 the well was temporarily abandoned in the McKee with a CIBP setting above the McKee at 8850'. After reviewing the well history there appears to be no mention of casing leaks. See attached Wellview summary for detailed history. The last casing integrity test was performed in Dec. 1996.

			<u>Burst</u>	<u>Collapse</u>	<u>Drift</u>
Casing:	10 3/4", 40.5 #/ft	0 to 1421'			
	5 1/2", 17 #/Ft., K-55, LT&C	0 to 9070'	5,320	4,910	4.767
Proposed					
Tubing:	2 7/8", L-80, 6.5#/Ft., EUE	0 to 7580'	10,570	11,160	2.347
Packer:	Model MX I	@ 7580' (ID 2.347")			
Profile:	2.25" ID "R" Nipple	@ 7580' (ID 2.25")			

		<u>NEP</u>	<u>Total Shots</u>
Perfs:	7622' to 7632'	<u>10</u>	<u>21</u>
	Total	10	21

Resv. Pressure: 2,900 PSIG (7650 X .38)

Resv. Temp: 110 Degrees F

Reservoir Content: Oil or Gas

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Procedure:

1. Pressure test casing to 3,000 PSIG (maximum anticipated reservoir pressure). This is 34% of the rated burst pressure of the casing.
2. RU workover rig. Install BOP stack and test to 3,000 PSIG according to SOP's.
3. RU electric line company. Install packoff and TIH with gauge ring and junk basket to tag PBTD at 8850. Install lubricator and TIH with 4" hollow carrier perforating guns loaded 2 JSPF in 120 degree phasing to perforate the following Strawn intervals: (Correlation from CNL dated 11/13/81)

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>
7622' to 7632'	<u>10</u>	<u>21</u>
Total	10	21

4. PU production bottom assembly as follows and RIH hydrostatically testing to 8,000 PSIG:
 - a) wireline re-entry guide with a 2.19" ID No-Go "R" profile nipple
 - b) 5 1/2", MX - 1 packer ID 2.38"
 - c) 2 7/8", L-80 tubing to surface
5. Space out the packer at 7,550'. Set the packer. Pressure test the annulus to 3000 PSIG.
6. RU BJ. Install a staked treating line with a nitrogen actuated relief valve and a remote automated ball injector. Pressure test treating lines to the frac valve to 6,000 PSIG. Set relief valve at 5,000 PSIG. Open the casing valve and leave it open to relieve to the pit or flowback tank during the treatment.
 - a. Pump breakdown across lower Strawn interval by pumping 3000 gals of 20% NEFE containing 30, 7/8" 1.3 SG ball sealers at a rate of 5 BPM.
 - b. Displace acid to bottom perforation and shut down to record 5, 10 and 15 minute ISIP pressures.
 - c. Surge balls off perforations.

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TREATING LINE TEST PRESSURE: A minimum 1000 psig over MATP	0000	PSIG
MAXIMUM ALLOWABLE WORKING PRESSURE: Based on weakest component in system	0000	PSIG
NITROGEN POP OFF SET PRESSURE: Relief pressure set at the lesser of : 300 psig less than 90% MAWP or, 300 psig over MATP	0000	PSIG
ELECTRONIC THROTTLE KILL TRIPS (Applicable with Frac jobs only)		PSIG
MAXIMUM ALLOWABLE TREATING PRESSURE: If reached, human action required.	0000	PSIG
MAXIMUM ANTICIPATED TREATING PRESSURE: Based on frac design	0000	PSIG

7. RD BJ. Swab test well through a manifold into a temporary test tank to determine productivity. Pressure test lines from the tree to the manifold to 3,000 PSIG.
8. If the well is considered to be productive, load the tubing and to kill the well. Remove the BOP stack and install 10 M WP treating tree (3 1/16" X 10 M PSIG WP Tree, Two 3 1/16" 10M WP gate valves with 3 1/16" top flanged connection, See Attached). Pressure test the annulus to 3000 PSIG. RD and move off pulling unit and design acid frac while recompletion AFE is being approved.
9. If the well is considered to be non-productive, load the tubing to kill the well. Release the packer and POOH with tubing and packer. TIH with CIBP to set above perforations, dump 2 sks of sand on plug. Pressure test to 2,000 PSIG and circulate hole with packer fluid. RDMO.

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

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

OIL CONSERVATION DIVISION

instructions on back
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 30-025-26767		2 Pool Code		3 Pool Name Wildcat Strawn	
4 Property Code 003081		5 Property Name SEMU			6 Well Number #114
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 3534'

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
C	29	20S	38E		810'	North	2130'	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 40	13 Joint or Infil	14 Consolidation Code	15 Order No.
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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

16			

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

Regulatory Agent

Title

January 5, 2001

Date

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

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CONVELL, NM

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

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

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 30-025-26767		2 Pool Code 96893		3 Pool Name North Hardy Strawn	
4 Property Code 003081		5 Property Name SEMU			6 Well Number # 114
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 3535

10 Surface Location

UL or lot no. C	Section 29	Township 20S	Range 38E	Lot Idn	Feet from the 810'	North/South line North	Feet from the 2130	East/West line West	County Lea
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11 Bottom Hole Location If Different From Surface

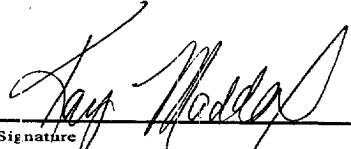
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

16		0	

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
Regulatory Agent
Title
February 2, 2001
Date

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

4
F-1
Received
HOD's
OCD