Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-02508052

5. Indicate Type of Lease: Federal STATE ☐ FEE ☐

6. State Oil & Gas Lease No. LC-029405A

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: MCA

1. Type of Well: OIL WELL [X] GAS WELL ☐ OTHER

2. Name of Operator: Conoco Inc.

8. Well No. 253

3. Address of Operator: 10 Desta Drive West, Midland, TX 79705

9. Pool name or Wildcat: Maljamar Grayburg-San Andres

4. Well Location
Unit Letter E : 1980 Feet From The North Line and 460 Feet From The West Line

Section 20 Township 17S Range 32E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3955' G.L.

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER: CO_2 Huff-n-Puff Test	[X]			OTHER:			☐

12. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

It is proposed to initiate a cycle CO_2 Huff-n-Puff test in the San Andres 9th Massive zone according to the attached procedure.

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

SIGNATURE Jerry W. Hoover TITLE Regulatory Coordinator DATE 7-10-90

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

(This space for State Use)

APPROVED BY FOR RECORD ONLY TITLE DATE JUL 18 1990

CONDITIONS OF APPROVAL, IF ANY:

MCA No. 253
CO_2 Huff-n-Puff
AFE No.40-61-5870

It is recommended to perform a CO_2 huff-n-puff stimulation as follows:

1. Test casing to 500 psi.
2. Drill out cast iron bridge plug at 3909'.
3. Acidize the lower 9th Massive zone.
4. Return to production through old 1C production header.
5. Lay CO_2 injection line.
6. Inject CO_2.
7. Return to production.

Location:

1980' FNL and 460' FWL, Section 20, T-17S, R-32E, Lea County, New Mexico

Elevation: 3955' Zero = 13' (AGL)

Well Data:

TD: 5350' PBTD: 3909'

Casing:

7-5/8" 747' with 315 sacks (circulated)
4-1/2" J-55 9.5 lb/ft at 5350' with 350 sacks (TOC at 2075' Temp. Survey)

Dimensions and Strengths:

OD	Grade	Wt lb/ft	ID	Drift	70% Collapse psi	70% Burst psi
4-1/2"	J-55	9.5	4.090	3.965	2300	3000

Perforations:

San Andres L-9th Massive	4003'-23'	2 JSPF
	4034'-49'	2 JSPF

Miscellaneous:

Cast iron bridge plug at 4120' capped with 1 sack cement.
Permanent Guiberson Charger bridge plug at 3909'.

Recommended Procedure:

1. Move in rig up. Check and release any pressure. Nipple up blowout preventer. Pull out of hole with tubing sub. Test casing to 500 psi. Change wellhead equipment as needed.

2. Run in hole with 2-3/8" workstring and 3-7/8" bit. Drill out Guiberson Charger cast iron bridge plug at 3909'. Trip bit to bottom at 4120'. Pull out of hole.

3. Run in hole with 2-3/8" tubing and 4-1/2" packer with 1.71" profile nipple and on/off tool.

4. Prepare to acidize.

   A. Set packer at ±3850'. Load backside to 500 psi.
   B. Establish injection rate down tubing with produced water. Do not exceed 2200 psi.
   C. Acidize the San Andres Lower 9th Massive zone with 60 bbls of 15% HCl-NE-FE. Try to establish rate at 3-5 BPM. Do not exceed 2200 psi.
   D. Record ISIP, 15 minute shut-in and 2 hour shut-in. Flow back load.

5. Flow well through old flowline at the 1C production header in order to establish base line oil production data.

6. Lay 3-1/2" flowline from the 2A header to the No. 253.

7. Inject CO_2 at approximately 1 MMSCFPD. Do not exceed 2000 psi tubing pressure. After injecting 26.5 MMSCF of CO_2, shut-in well for 1 month to allow the CO_2 to soak.

8. Return well to flowing production. A choke may be required to minimize CO_2 breakout. If only CO_2 is produced initially, the well will be shut-in and the soak period extended.

9. Test the well, at the minimum, once a week.

10. Repeat steps 7 through 9 with the second CO_2 slug using 47 MMSCF of CO_2.

Barry Schneider — 5-10-90
Engineer — Date

John F. Stokes — 5-10-90
Project Director — Date

Division Engineering Manager — Date

Production Superintendent — Date

BDS/tk