Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.: LC 029410B

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.: MCA Unit #105

2. Name of Operator: Conoco, Inc.

9. API Well No.: 3002500778

3. Address and Telephone No.: 10 Desta Dr. Ste 100W, Midland, TX 79705

10. Field and Pool, or Exploratory Area: Maljamar Grayburg SA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): Unit Letter 'C', 660' FNL & 1980' FWL, Sec. 30, T-17S, R-32E

11. County or Parish, State: Lea, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[X] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] 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.)*

It is proposed to plug and abandon the MCA Unit No. 105 as indicated on the attached procedure.

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

Signed [signature] Title Sr. Conservation Coordinator Date 07-23-92

(This space for Federal or State office use)

Approved by _____ Title _____ Date 8/10/92

Conditions of approval, if any:

NOTIFY BLM PRIOR TO COMMENCING ANY WORK.

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

MCA No. 105
Plug and Abandon

Objective: The following procedure is recommended to permanently plug and abandon the MCA No. 105 well.

1. Check well for pressure and kill with 10 PPG brine mud if necessary.

2. Rig up workover unit, containment tanks and BOP.

3. Run in hole with 6-1/4" swage and run through bad spot in casing at 128' to ensure tools can get through. Pull out of hole.

4. Run in hole with retrieving head and wash sand off retrievable bridge plug at 3580' and pull.

5. Run in hole and set cement plug from 3220'-3957' with 130 sacks of cement to fill open hole section and 280' inside 5" liner. WOC and tag for depth.

6. Circulate well with 10 PPG gelled brine and spot a cement plug from 2900'- 3220' (50 sacks) to form a 150' plug above and below the liner top. TAG PLUG.

7. Spot another cement plug from 720'-1905' to form a cement plug across the salt section with an overlap of 100' above and below the salt top and bottom.

8. Perforate the 7" casing at 650' and use 230 sacks of cement to circulate cement to surface in the 7" x 8-5/8" annulus and to form a surface plug from 650' to surface.

9. Install a 4" P&A marker. Clean and reseed location.

WELL DATA

TD: 3957' PBTD: 3585'

Elevation: 3919'(GL) Zero: 0' (AGL)

LOCATION

660' FNL, 1980' FWL, Sec. 30, T17-S, R32-E
Lea County, New Mexico

CASING

8-5/8" 24# set at 830' with 50 sacks of cement.
7" 20# set at 3465' with 100 sacks of cement.
5" 15# liner from 3063'-3600' with 75 sacks of cement

Note: Encountered bad casing at 128' and was confirmed collapsed. A 6-1/4" swage was run through this spot successfully in April, 1992.

PRODUCTION EQUIPMENT

5" Retrievable bridge plug with k-valve set at 3580'

TUBULAR SPECIFICATIONS

SIZE (IN)	WT (#/FT)	GRADE (API)	ID (IN)	DRIFT (IN)	80% BURST (PSIG)	80% COLLAPSE (PSIG)	80% YIELD (MLBS)	CAPACITY (BBL/FT)
7	20	J-55	6.456	6.331	2992	1816	187	.0405
5	15	J-55	4.408	4.283	4560	4440	146	.0189
2 7/8	6.5	J-55	2.441	2.347	5808	6144	80	.0058

ZONE TOPS

Grayburg 6th - 3578'
San Andres U7th - 3720'
San Andres L7th - 3784'
San Andres 8th - 3866'
San Andres 9th - 3927'
9th Massive - NR

SAFETY:

This procedure includes cementing and perforating. A pre-job safety meeting involving all personnel on location should be held before any work commences. Conoco policies and the service company's safety procedures should be reviewed. Arrange for a pre-determined safety assembly area in case of an emergency. No unauthorized personnel are allowed on location.

The following checklist is recommended during cementing operations:

1. All pump and storage trucks should rig up outside dead man anchors and guy wires if possible.
2. All connections on the wellhead must have a pressure rating higher than the maximum anticipated pump pressure.
3. Data recording equipment should be located as far as practical from the discharge line.
4. Anchor all lines and pressure test as necessary. Purge all lines and test only with water.
5. A service company and/or company employee must be designated to operate valves at the wellhead in case of an emergency.
6. All service and company personnel must keep a safe distance from pressured-up lines. No one should be in the derrick or on the rig floor while pumping cement.

The following checklist is recommended during perforating operations:

1. The perforating company must abide by the Conoco perforating safety guidelines.
2. The perforating truck should rig up outside the deadman anchors and guywires and be positioned upwind of the wellhead if possible.
3. The perforating company must place warning signs at least 500' away from the operation on all incoming roads.
4. Welding on location is not permitted during perforating operations.
5. Perforating must be suspended during electrical or sand storms.
6. Turn off all radios and horn blowers that are within 500' of the operation. They should not be used while rigging up and loading perforating guns or until the gun is at least 500' in the hole. The same process should be repeated when pulling out of the hole.
7. The perforating truck must be grounded to the rig and wellhead before installing the blasting cap(s).
8. Make sure that the key to the perforating panel is removed from the panel and the generator on the truck is turned off while arming the gun.
9. No one is allowed in the derrick or on the rig floor while perforating.
10. Upon completion of the operation, the work area shall be thoroughly inspected and all scraps and explosive materials shall be properly removed from the location by the service company performing the operation.

RECOMMENDED PROCEDURE:

Note:

1. All cement slurry used in this procedure shall be Class "C" neat mixed at 14.8 PPG.

2. All mud shall be 10 PPG with 25 lbs gel/BBL of brine.

A. MOVE IN RIG-UP, KILL WELL, PULL BRIDGE PLUG

1. Move in steel tanks for containment of well fluids. Pump 10# gelled brine in well to kill well if necessary. Check well for pressure and rig up workover rig.

2. Install BOP and test. Pick up 6-1/4" swage, bumper sub, drill collars and 2-7/8" (N-80 minimum) workstring and run through the collapsed 7" casing section at 128' to verify that tools can be run in and out of the wellbore. Pull out of hole.

3. Pick up a retrieving head and run in hole on workstring. Wash sand off retrievable bridge plug, latch equalize and pull bridge plug at 3580'. Pull out of hole.

B. SET CEMENT PLUG IN OPEN HOLE SECTION AND SET CEMENT PLUGS IN CASING ACROSS LINER TOP, SALT SECTION AND SURFACE PLUG

1. Pick up workstring with mule shoe and run in hole and spot a 130 sack cement plug from 3320'-3957' to fill open hole section and about 280' of 5" liner. Pull out of hole. WOC and tag for depth verification.

2. Run in hole with workstring and circulate hole with 10 PPG gelled brine mud and spot a 50 sack cement plug from 2900'-3220' to cover the 5" liner top with a 150' overlap on top and bottom.

3. Spot a 240 sack cement plug in the 7" casing from 720'-1905' across the salt section which includes a 100' overlap on both the top and bottom of salt section. WOC and tag for depth verification. POOH with workstring.

4. Run in hole with electric line and 5" 90° phasing squeeze gun and perforate the 7" casing at 650' with at least four 0.50" holes. Pull out of hole with electric line an rig down.

5. Establish an injection rate with fresh water by bullheading down the 7" casing taking returns on the 7" x 8/5-8" annulus. Follow with 230 sacks of Class "C" neat cement to form a plug from surface to 650' and to circulate cement in the 7" x 8-5/8" annulus. WOC overnight.

C. PREPARE SURFACE LOCATION FOR ABANDONMENT

1. Remove BOP and cut off all casing strings 3' below final restored ground level. Rig down and move off workover rig.

2. Fill casing strings with cement, if necessary.

3. Cover the wellbore with a 1/4" metal plate welded in place, or a cement cap extending radially at least 12" beyond the 8-5/8" casing and at least 4" thick.

4. Erect an abandonment marker according to the following specifications.

   A. Marker must be at least 4" in diameter, 10' long with 4'

above the restored ground level and embedded in cement.

B. Marker must be capped and inscribed with the following well information.

MCA No. 105
Sec. 30, T-17S, R-32E
Lea County, NM
Date

C. Cut off dead-man anchors below ground level and remove markers. Fill in cellar with sand and contour to surrounding ground level.

D. Remove all equipment, concrete bases and piping not in use.

E. Clean and restore location to its natural state and reseed.

F. Send a copy of the well service report to the Midland Office so proper forms can be filed.

6-3-92
H. E. Davis
Sr. Production Engineer

APPROVED:

6/10/92
Joel E. Porter
Supervising Production Engineer

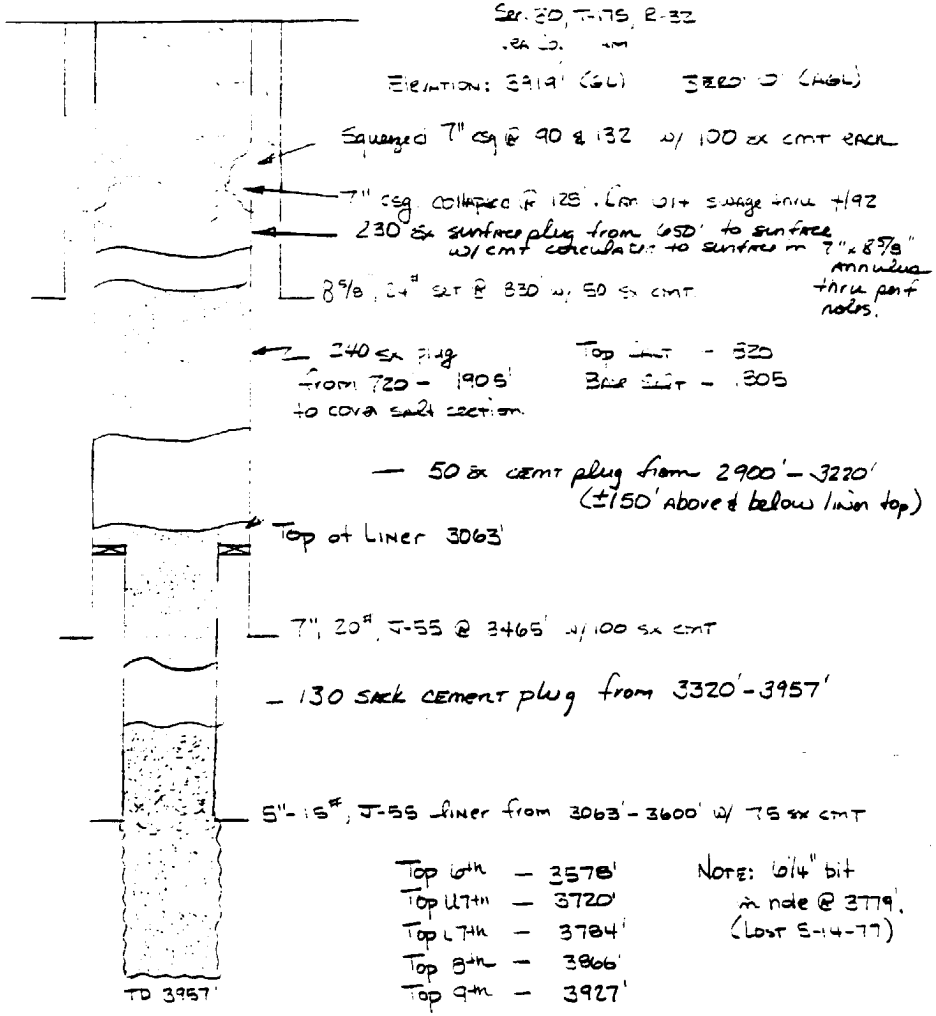
F. E. Patton
Area Production Manager

cc: FEP, MEK, MED, Donnie Rogers (2), FILE

MCA 105

660' FNL, 1980' FWL
Sec. 30, T-17S, R-32E
Lea Co., NM

Elevation: 3919' (GL) KB: 0' (AGL)



Top 6th — 3578'
Top U 7th — 3720'
Top L 7th — 3784'
Top 8th — 3866'
Top 9th — 3927'

Note: 6 1/4" bit in hole @ 3779'. (Lost 5-14-77)

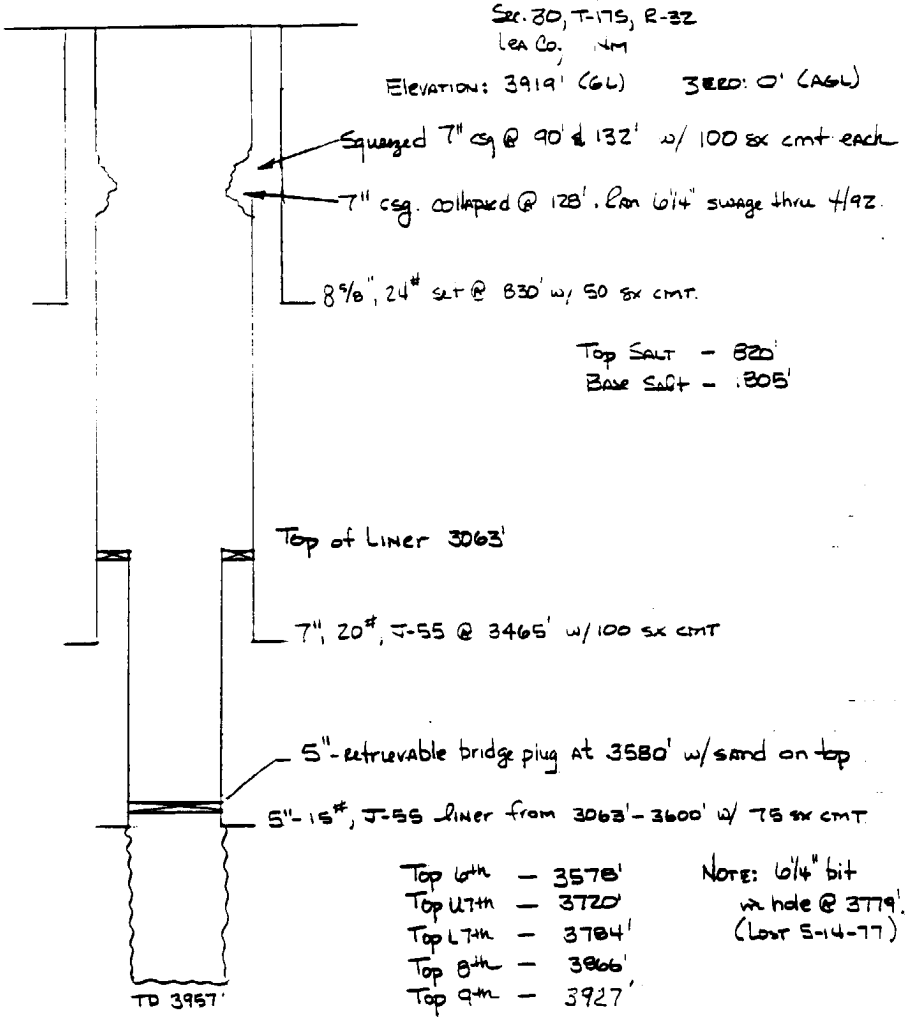
5-14-92

MCA 105
Proposed Wellbore

MCA 105

660' FNL, 1980' FWL
Sec. 30, T-17S, R-32E
Lea Co., NM

Elevation: 3919' (GL) KB: 0' (AGL)



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Note: 6 1/4" bit in hole @ 3779'. (Lost 5-14-77)

MCA 105
Present Wellbore