

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator Conoco, Inc.	8. Well Name and No. MCA No. 288
3. Address and Telephone No. 10 Desta Dr. Ste 100W, Midland, TX 79705	9. API Well No. 300252377800
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 65' FNL & 1295' FWL Sec. 29, T- 7N R-32E	10. Field and Pool, or Exploratory Area Maljamar Grayburg/SA
	11. County or Parish, State Lea, New Mexico

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 checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input 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 Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 this well according to the attached procedure.

RECEIVED
APR 19 7 57 AM '93
CARLISLE
AREA

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

Signed <u>James M. Hoover</u>	Title <u>Sr. Conservation Coordinator</u>	Date <u>4/16/93</u>
(This space for Federal or State office use)		
Approved by <u>(ORIG. SGD.) JOE G. LARA</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>4/23/93</u>
Conditions of approval, if any:		

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. 288
Plug and Abandon

RECOMMENDED PROCEDURE:

Objective: To plug and abandon well by using coiled tubing. The well developed casing pressure in February, 1993. An attempt to kill the well was unsuccessful and the well still has 800 PSIG on the casing. The well produces only 2-4 BOPD and work to repair the casing leak cannot be justified. The well has no future use.

WELL DATA
TD: 4080' PBTD: 4030'

Elevation: 3950' (GL) Zero: 12' (AGL)

LOCATION
65' FNL & 1295' FWL, Sec. 29, T17-S, R32-E,
Lea County, New Mexico

CASING and TUBING
8 5/8" 20# H-40 set at 700' with 400 sacks.
5 1/2" 14# J-55 set at 4080' with 300 sx, TOC 2160' (estimated from Temp. Survey)
2 7/8" 6.5# J-55 EUE 8-Rd tubing at 3927' with 3-1/2" SOPWA (id. 2.992") and a 2-1/2" seating nipple (id. 2.250") at 3927'

MINIMUM RESTRICTION

Seating nipple at 3927' (2.250")

TUBULAR SPECIFICATIONS

SIZE (IN)	WT (#/FT)	GRADE (API)	ID (IN)	DRIFT (IN)	BURST (PSIG)	COLLAPSE (PSIG)	YIELD (MLBS)	80# CAPACITY (BBL/FT)
5 1/2	14	J-55	5.012	4.887	3416	2496	138	.0244
2 7/8	6.5	J-55	2.441	2.347	5808	6146	80	.0058

ZONE TOPS

Grayburg	- 3608'
San Andres U7TH	- 3768'
San Andres L7TH	- 3834'
San Andres 9TH	- 3966'
9TH Massive	- 4026'

PERFORATIONS

Grayburg 6TH	3682'-3704'
San Andres L7TH	3802'-3832', 3828'-3832'
San Andres U7TH	3894'-3898', 3900'-3905'
San Andres 9TH	3980'-3986', 3992'-3998'

1. Rig up steel pit and install piping with hydraulic choke control to backflow well through gas buster and to pit.
2. Rig up pump and displace mud out of tubing and annulus with 10 PPG brine. Circulate with at least 3 Hole volumes.

Note: 1 Hole volume is 94 BBLs.

3. Rig up electric line and lubricator. Run in hole with jet cutter and cut off end of mud anchor to facilitate coiled tubing. Pull out of hole with electric line and rig down.

Note: Well has 800 PSIG of casing pressure and has built up to 1400 PSIG in the past. Test lubricator to at least 3000 PSIG.

4. Rig up 1-1/4" coiled tubing unit and pump truck. Test all equipment to 5000 PSIG.

NOTE:

A. Perform functional test now if it hasn't been already done. See safety notes above for procedure.

B. Have coil cut to approximately 5000' in length to facilitate pumping cement in later steps, by reducing the friction pressure due to excessive tubing.

5. Run in hole with coiled tubing. Clean out well to +/- 4030' using 10# brine. Maintain pump rate between 1/2 and 1 BPM. Circulate any fill from hole.

Note:

A. Use Hydro-blast tool to clean out tubing and casing if needed.

B. History indicates that the 5-1/2" casing has been collapsed and sawed out in previous workovers from 3695'-3705'.

6. With coil at 4030' spot a balanced 80 sack cement plug from 4030' to 3480' to cover all perforations by at least 300' as measured from top perforation. Close 5-1/2" casing valve and pull out of hole with coiled tubing rig down and WOC.

Note: Cement mix should be SWPC + 0.5% TF-4 for friction reduction while pumping down coiled tubing. The pump time is 6 hours and weight is 14.8 PPG. This is a Western product and should be tested if another cementing company is selected.

7. Rig up temperature survey and log well (after 5 hours) to find top of cement in 5-1/2" x 2-7/8" annulus to facilitate punching tubing in later steps.

8. WOC for at least 24 hours

9. Run in hole with tubing punch and perforate at least 4 holes in the 2-7/8" tubing 100' above the top of cement as found by the temperature log. (+/- 3380')

Notes: Tubing punch is available through Wedge Wireline and consists of a 2.5 gram (Harrison) charge that will give a .52" hole and .52" penetration. The charges should be run in an 1-9/16" hollow steel carrier gun magnetically decentralized with 0° phasing.

10. Rig up cement truck. Establish an injection rate with produced water. Pump a 500 Sack class "C" neat cement slurry down 2-7/8" tubing through the punched holes at 3380' and up the 2-7/8" x 5-1/2" annulus to surface. Displace the 2-7/8" tubing with about 1/2 BBL of produced water to facilitate cutting off the wellhead. WOC for 24 hours. Monitor well for pressure while cement is curing.

11. Cut off all casing strings 3' below final restored ground level.

12. Fill casing strings with cement, if necessary.

13. 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.

14. 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. 288
Sec. 29, 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

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

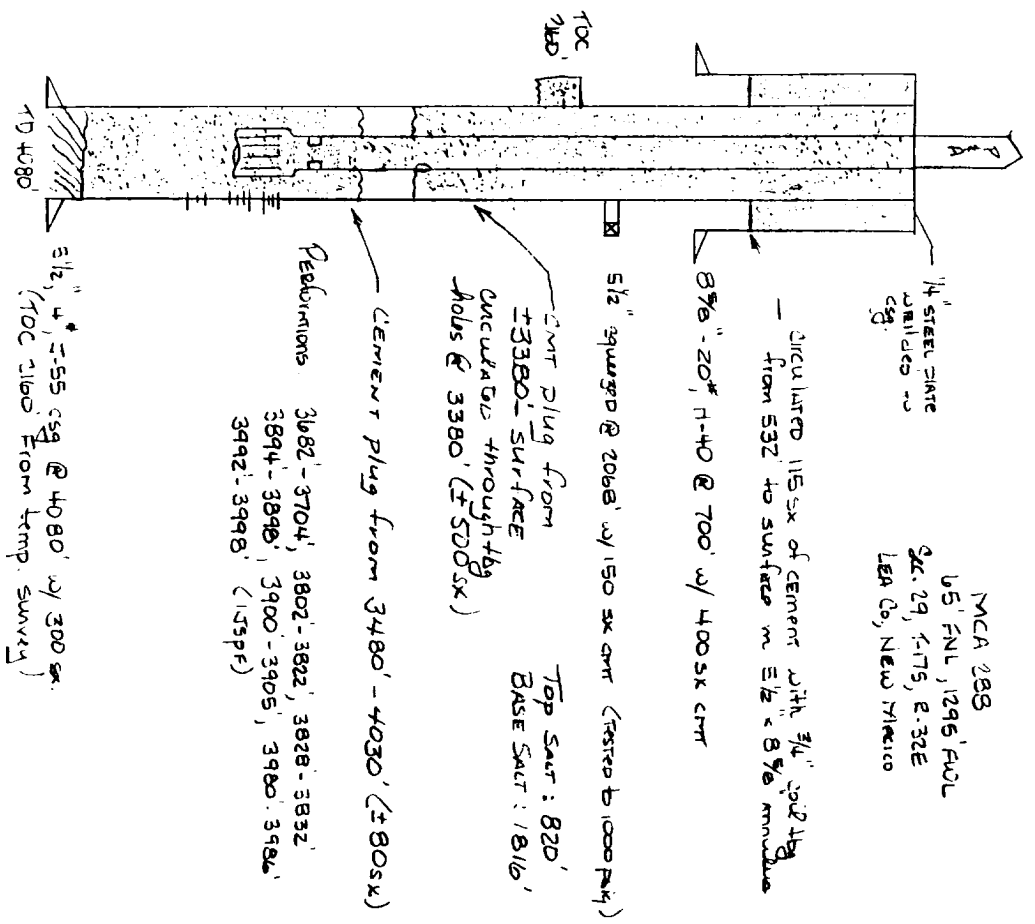
Henry S. David 3/19/93
Sr. Production Engineer

cc: JEP, SDU, HED, FILE
Donnie Rogers

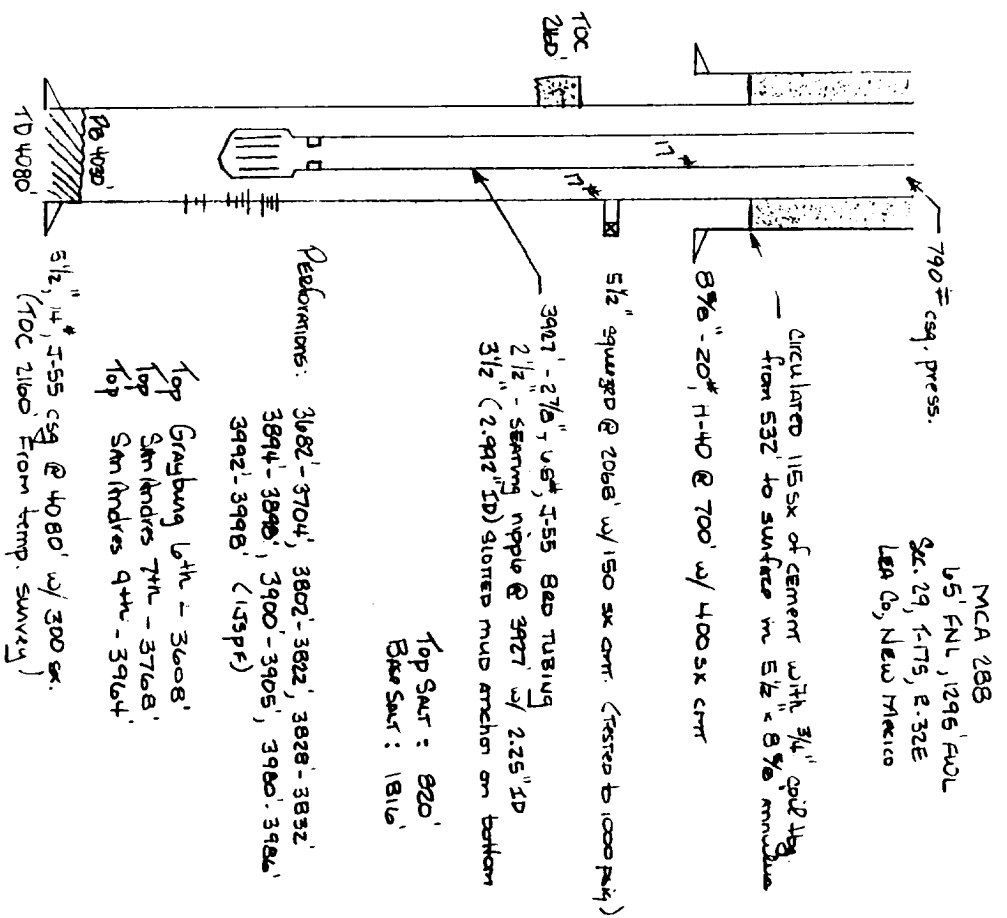
Approved:

Bill G. Bost 3/19/93
Supervising Production Eng.

Bill G. Bost 3-1-93
Area Production Manager



HED
3-18-93
MCA 288
Proposed PIA



HED
3-18-93
MCA 288
Present Well Bore