

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	5. Lease Designation and Serial No. LC-058697B
2. Name of Operator Conoco Inc.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 10 Dosta Drive West Midland, TX 79705	7. If Unit or CA, Agreement Designation MCA Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit I, 2615' FSL & 1295' FEL Sec. 25, T-17S, R 32E	8. Well Name and No. No. 195
	9. API Well No. 30-025-00691
	10. Field and Pool, or Exploratory Area Mojamar (G-SA)
	11. County or Parish, State Lea County, NM

12. 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"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <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 <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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.)*

We propose to plug & abandon the MCA No. 195 according to the attached procedure.

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OFFICE OF THE
ADMINISTRATIVE SUPERVISOR

14. I hereby certify that the foregoing is true and correct			
Signed Adam Salameh	Title Administrative Supervisor	Date 10/30/90	
(This space for Federal or State office use)			
Orig. Signed by Adam Salameh	Title FIELD ENGINEER	Date 11-5-90	
Approved by _____			
Conditions of approval, if any: _____			

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special in-

structions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4—If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13—Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive

zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE — The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION — Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

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U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MCA UNIT NO. 195
PLUG AND ABANDON

Summary:

The following procedure is recommended to permanently plug and abandon MCA Unit No. 195.

1. Pull out of hole with rods, pump, and tubing.
2. Set cement retainer @ 3800' and pump 115 sacks of cement to fill 7" casing and 4-1/2" liner to 4417'.
3. String out of cement retainer and spot 35 sack cement plug on top of retainer. Load hole with mud.
4. Spot 35 sack cement plug across base of salt.
5. Spot 35 sack cement plug across top of salt and surface casing shoe.
6. Perforate @ 300' and circulate 80 sacks of cement to set surface plug.

Location:

2615' FSL & 1295' FEL, Unit I, Sec. 25, T-17S, R-32E
Lea County, NM

Elevation:

4003' GL (0' AGL)

Completion:

Grayburg-San Andres
TD: 4425'

Perfs: 6th zone

PRTD: 4417',
4108'-4116', 4124'-4134', 4138'-4146',
4154'-4166', 4172'-4186', 4200'-4212',
4222'-4234' w/2 JSPE.
4272'-4296', 4300'-4306', 4366'-4374',
4382'-4392' w/2 JSPE.

7th zone

Casing/Tubing Specifications:

O.D. (in)	Weight (lbs/ft)	Grade	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)	Capacity (ft ³ /ft)
8-5/8"	24.0	J-55	1265	7.972	1,370	2,950	.0636	.3575
7"	23.0	J-55	3920	6.241	3,270	4,360	.0393	.2210
4-1/2"	9.5	J-55	4425	3.965	3,310	4,380	.0162	.0912
2-7/8"	6.5	N-80		2.347	11,160	10,570	.00579	.03250

8-5/8" casing set @ 1265' with 100 sx cement (est. TOC @ 660').

7" casing set @ 3920' with 200 sx cement (est. TOC @ 2980').

4-1/2" liner set from 3857'-4425' w/75 sx cement (TOC @ 3945' by CBL).

Use safety factor of 70% for collapse and burst pressures.

Assume 2-7/8" workstring will be used.

Notes:

1. All cement slurry used in this procedure shall be Class "C" neat mixed @ 14.8 ppG.
2. All mud shall be 9.5 ppG with 25 lbs gel/bbl brine.
3. Notify BLM prior to commencing any work.

MCA Unit No. 195
Plug & Abandon
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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 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 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 needed.
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 truck should rig up outside dead man anchors and guy wires and be positioned upwind of the wellhead if possible.
2. The perforating company must place warning signs at least 500' away from the operation on all incoming roads.
3. Welding, on location, is not permitted during the perforating operation.
4. Perforating must be suspended during electrical, thunderstorms or sandstorms.
5. Turn off all radios 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.
6. The perforating truck must be grounded to the rig and wellhead before installing the blasting cap(s).
7. Insure 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.
8. No one is allowed in the derrick or on the rig floor while perforating.
9. 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.

- A. ND BOP and cut off all casing strings at the base of the cellar or 3' below the final restored ground level (whichever is deeper). RMO pulling unit.
 - B. Fill the casing strings (if necessary) from the cement plug to surface with cement.
 - C. Cover the wellbore with a metal plate at least 1/4" thick, welded in place, or a cement cap extending radially at least 12" beyond the 8-5/8" casing and at least 4" thick.
 - D. Erect an abandonment marker according to the following specifications:
 1. Marker must be at least 4" diameter pipe, 10' long with 4' above restored ground level, and embedded in cement.
 2. Marker must be capped and inscribed with the following well information:

MCA Unit No. 195
Unit 1, Sec. 25, T-17S, R-32E
Lea County, NM
Date
- Note: 1/4" metal plate can be welded to marker and then to the casing after the marker is set in cement.
- E. Cut off dead-man anchors below ground level and remove markers. Fill in cellar and workover pit.
 - F. Remove all equipment, concrete bases, and pipe not in use.
 - G. Clean and restore location to its natural state. Reseed according to BLM requirements.
7. Send a copy of the well service report and final P&A schematic to the Midland Office so the proper forms can be filed.

Recommended Procedure:

1. Prepare well for P&A:
 - A. MIRU. Bleed well pressure down. POOH laying down rods and pump. Kill well with 9.5 ppv brine if needed.
 - B. ND wellhead and NU BOP.
 - C. TOOH and LD 2-3/8" production tubing.
 - D. PU and TIH w/6-1/8" bit, 7" casing scraper, and WS to 3830'. POOH.
 2. Set cement retainer and abandon Grayburg-San Andres:
 - A. GIH with 7" cement retainer and WS. Set cement retainer @ 3800'. B. MIRU cement services. Circulate hole with 145 bbls fresh water. Pump 115 sacks cement (25 sacks excess) through retainer. Maximum surface pressure is 1500 psi.
 - C. String out of cement retainer and spot 35 sacks cement from 3800'-3600' and displace with 20 bbls fresh water.
 - D. PU to 3600' and circulate hole with 140 bbls mud.
 - E. POOH laying down WS to 2400'.
 3. Spot cement across base of salt:
 - A. Load hole with 3 bbls mud.
 - B. Spot 35 sx cement from 2400'-2200' and displace with 12 bbls mud.
 - C. POOH laying down WS to 1365'.
 4. Spot cement plug across top of salt and surface casing shoe:
 - A. Load hole with 2 bbls mud.
 - B. Spot 35 sacks cement from 1365'-1165' and displace with 6 bbls mud.
 - C. POOH with WS. WOC. GIH and tag TOC. POOH laying down WS.
 5. Circulate cement up surface casing and set surface plug:
 - A. MIRU wireline services.
 - B. RIH with a hollow steel carrier with circulation jets loaded 2 JSPF (0" phase, .4" EHD, decentralized) and CCL.
 - C. Perforate 7" production casing @ 300'. POOH.
 - D. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 10 bbls mud to load hole and establish circulation up 8-5/8" x 7" annulus.
 - E. Pump 80 sx of cement (10 sacks excess) to fill up 8-5/8" x 7" annulus and set surface plug in 7" casing.
- Note: If cement does not circulate to surface, pump 20 sx down 8-5/8" x 7" annulus.
- F. POOH with tubing.
 - G. RD wireline and cement services.
 6. Prepare surface location for abandonment: