

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 type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <u>Injection</u>	5. Lease Designation and Serial No. <u>12-029405B</u>
2. Name of Operator <u>Conoco Inc.</u>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <u>10 West Loop West Midland, TX 79705</u>	7. If Unit or CA, Agreement Designation <u>MCA Unit</u>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <u>Unit 10 660' FS2 & 1480' FWL</u> <u>SEC. 17, 17S, 32E</u>	8. Well Name and No. <u>12C.15</u>
	9. API Well No. <u>30-C25-00586</u>
	10. Field and Pool, or Exploratory Area <u>Margam (G-24)</u>
	11. County or Parish, State <u>200. NM</u>

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 checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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.)*

We propose to ~~AA~~ the MCA Unit 12C.15 according to the attached procedures.

RECEIVED
AUG 6 8 43 AM '90
CANYON AREA

14. I hereby certify that the foregoing is true and correct		
Signed <u>Josh Craig for Gail Wesson</u>	Title <u>Administrative Supervisor</u>	Date <u>7-27-90</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date <u>8-6-90</u>
Conditions of approval, if any:		

MCA UNIT NO. 15
PLUG AND ABANDON

Summary: The following procedure is recommended to permanently plug and abandon MCA Unit No. 15.

1. Pull out of hole with tubing and packer.
2. Set cement retainer @ 3530' and pump 106 sacks of cement into open hole.
3. Spot 17 sack cement plug on top of retainer.
4. Perforate @ 840' and spot 35 sack cement plug across top of salt and surface casing shoe.
5. Perforate @ 145' and circulate 45 sacks of cement to set surface plug.

Location: 660' FSL & 1980' FWL, Unit N, Sec. 17, T-17S, R-32E
Lea County, NM

Elevation: 3990' GL (0' AGL)

Completion: Grayburg-San Andres
TD: 4104' PBTD: 4074'
Perfs: None

Casing/Tubing Specifications:

O.D.	Weight	Grade	Depth	Drift	Collapse	Burst	Capacity	
(in)	(lbs/ft)		(ft)	(in)	(psi)	(psi)	(bbl/ft)	(ft ³ /ft)
8-5/8"	32.0	H-40	834	7.796	2,210	2,860	.0609	.3422
7"	20.0	H-40	3634	6.381	1,980	2,720	.0405	.2273
2-7/8"	6.5	N-80		2.347	11,160	10,570	.00579	.03250

8-5/8" casing set @ 834' with 50 sx cement circulated to surface.

7" casing set @ 3634' with 150 sx cement.

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 and NMOCD prior to commencing any work.

Recommended Procedure:

1. Prepare well for P&A:

- A. MIRU. Bleed well pressure down. Kill well with 9.5 ppg mud if needed.
- B. ND wellhead and NU BOP.
- C. Release Baker AD-1 packer @ 3536'. TOOH and LD 2-3/8" tubing and packer.
- D. PU and TIH w/6-1/4" bit, 7" casing scraper, and 2-7/8" WS to 3540'. POOH.

2. Set cement retainer and abandon open hole:

- A. GIH with 7" cement retainer and 2-7/8" WS. Set cement retainer @ 3530'.
- B. MIRU cement services. Pump 106 sacks cement through retainer. Maximum surface pressure is 1000 psi.
- C. Sting out of cement retainer and spot 17 sacks cement from 3431'-3530' and displace with 20 bbls mud.
- D. PU to 3425' and circulate hole with 120 bbls mud.
- E. POOH with WS.

3. Spot cement plug across top of salt and surface casing shoe:

- A. MIRU wireline services.
- B. RIH w/4" casing gun loaded 4 JSPF (120° phase, .4" EHD, centralized) and CCL.
- C. Perforate 7" production casing @ 840'. POOH.
- D. GIH with WS to 920'. Close BOP. Pump 20 bbls mud to load hole and establish circulation up 8-5/8" x 7" annulus.
- E. Pump 35 sacks of cement and displace with 4 bbls mud to spot a plug from 780'-920' inside and outside 7" casing.
- F. POOH with WS. WOC. GIH with WS and tag top of cement.
- G. POOH laying down WS.

4. Circulate cement up surface casing and set surface plug:

- A. RIH with a 4" casing gun loaded 4 JSPF and CCL.
- B. Perforate 7" production casing @ 145'. POOH.
- C. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 5 bbls mud to load hole and establish circulation up 8-5/8" x 7" annulus.
- D. Pump 45 sacks of cement (16 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 25 sacks down 8-5/8" X 7" annulus.

- E. POOH with tubing.
- F. RD wireline and cement services.

5. Prepare surface location for abandonment:

- 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). RDMO 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. 15
Unit N, Sec. 17, 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.

6. Send a copy of the well service report to CANDY FRAUST MIDLAND ~~Kandy Lawson~~ in the ~~Hobbs~~ Office so the proper forms can be filed.

Approved:

Jad Buchanan
Production Specialist

5-23-90
Date

Henry Dind
Engineer

5-26-90
Date

H. F. Reegm
Supervising Production Engineer

6/13/90
Date

H. F. Reegm
for Division Engineering Manager

7/2/90
Date

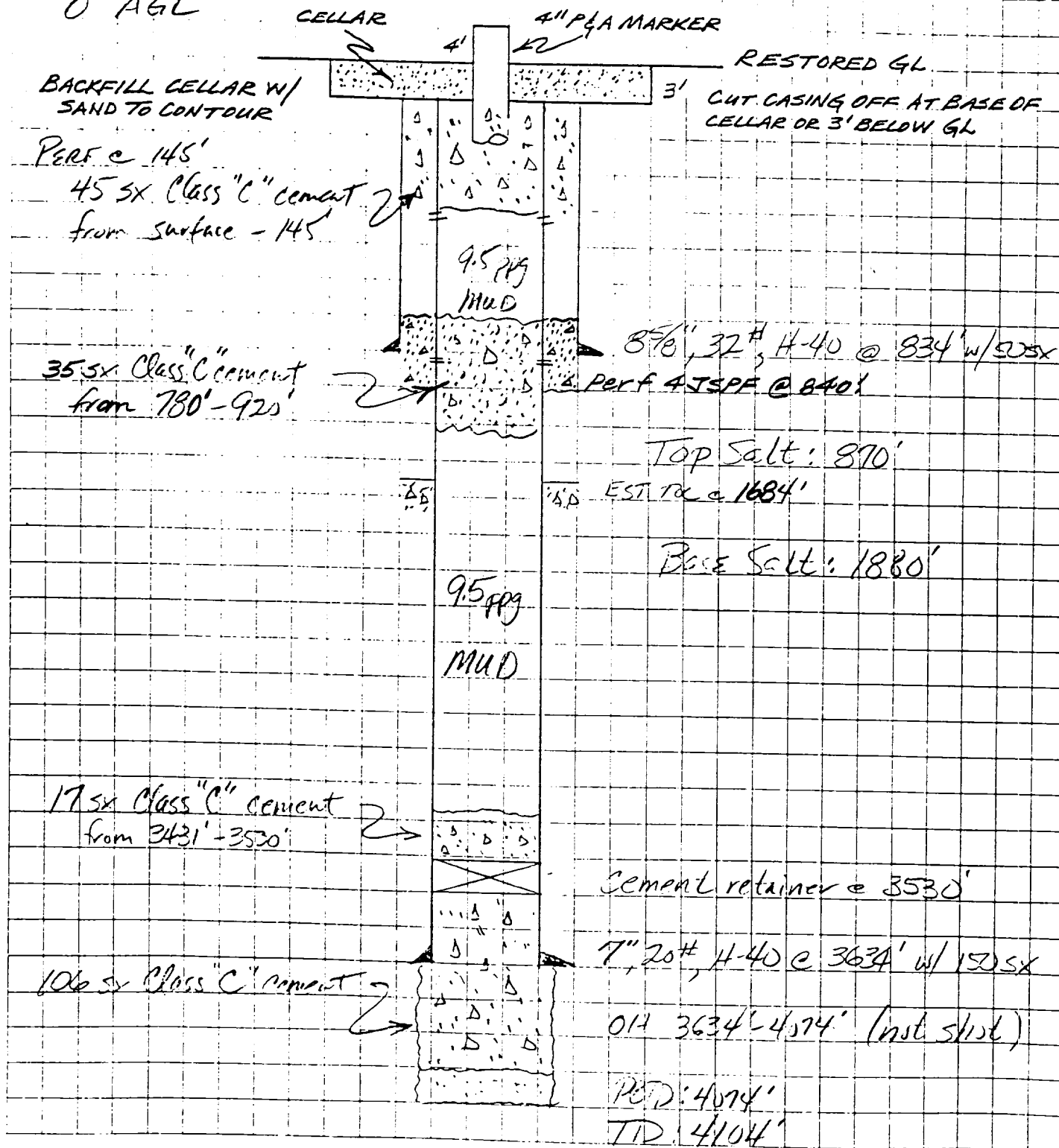
Frank Patton
Production Superintendent

7/3/90
Date

MCA Unit No. 15

* Proposed P₁A₁

660' FSL & 1980' FWL
Unit N Sec. 17, T-17S, R-32E
Elevation: 3990'
0' AGL



Conoco Inc.
Calculation Sheet

Made By
Checked By
Date
Page

Title

Job No.

Field

State

of

RECEIVED

AUG 07 1990

CCO
HODES OFFICE