

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME MCA UWA 57, 2
2. NAME OF OPERATOR Conoco Inc.	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR 10 Dosta Drive West Midland, TX 79705	9. WELL NO. #9
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface UWA M 660' FSL & 660' FWL	10. FIELD AND POOL, OR WILDCAT Matamor (G-SA)
14. PERMIT NO. 30-025-00558	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4021'
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15-7175-R-32E
	12. COUNTY OR PARISH Lag
	13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

ABANDON* ☒

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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 and abandon this well according to the attached procedure.

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

SIGNED

TITLE Administrative Supervisor

DATE

(This space for Federal or State office use)

Orig. Signed by: Sam Sanchez

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

BLM (6) FILE (1)

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.

RECEIVED
JUL 24 11 45 AM '90
CMA
AERIAL

RECEIVED

AUG 6 8 44 AM '90

MCA UNIT NO. 9
PLUG AND ABANDON

Summary:

The following procedure is recommended to permanently plug and abandon MCA Unit No. 9.

1. Drill out bridge plug at 3500'.
2. Set cement retainer at 3500' and pump 315 sacks of cement into open hole.
3. Spot 17 sack cement plug on top of retainer.
4. Perforate at 890' and spot 35 sack cement plug across top of salt and surface casing shoe.
5. Perforate at 145' and circulate 50 sacks of cement to set surface plug.

Location: 660' FSL & 660' FWL, Unit M, Sec. 15, T-17S, R-32E
Lea County, NM

Elevation: 4021' GL (0' AGL)

Completion: Grayburg-San Andres
TD: 4166' PBTD: 4000'
Perfs: 3795'-3840' w/150 qts

Casing/Tubing Specifications:

O.D. (in)	Weight (lbs/ft)	Grade	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)	(ft ³ /ft)
8-5/8"	28.0	H-40	886	7.892	1,640	2,470	.0624	.3506
7"	20.0	J-55	3585	6.331	2,270	3,740	.0405	.2273
2-7/8"	6.5	N-80		2.347	11,160	10,570	.00579	.03250

8-5/8" casing set @ 886' with 50 sx cement circulated to surface.

7" casing set @ 3585' 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 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.
2. Drill out bridge plug at 3500'.
 - A. PU and TIH w/6-1/4" bit, 6 drill collars, and 2-7/8" WS to 3500'.
 - B. Drill out bridge plug. POOH.
3. Set cement retainer and abandon open hole:
 - A. GIH w/6-1/4" bit, 7" casing scraper, and WS to 3500'. POOH.
 - B. GIH w/7" cement retainer and WS. Set at 3500'.
 - C. MIRU cement services. Pump 315 sacks cement through retainer. Maximum surface pressure is 1000 psi.
 - D. Sting out of cement retainer and spot 17 sacks cement from 3401'-3500' and displace with 20 bbls mud.
 - E. PU to 3395' and circulate hole with 120 bbls mud.
 - F. POOH with WS.
4. Spot cement plug across top of salt and surface casing shoe:
 - A. MIRU wireline services.
 - B. RIH with a 4" casing gun loaded 4 JSPF (120° phase, .4" EHD, centralized) and CCL.
 - C. Perforate 7" production casing @ 890'. PCOH.
 - D. GIH with WS to 985'. Close BOP. Pump 15 bbls mud to load hole and establish circulation up 8-5/8" x 7" annulus.
 - E. Pump 35 sacks of cement and displace with 5 bbls mud to spot a plug from 830'-985' inside and outside of 7" casing.
 - F. POOH with WS. WOC. GIH with WS and tag top of cement.
 - G. POOH laying down WS.
5. 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'. PCOH.
 - 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 50 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.

6. 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. 9
Unit M, Sec. 15, 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.

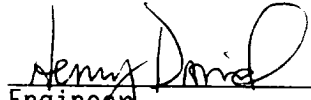
- E. Cut off dead-man anchors below ground level and remove markers. Fill in cellar and workover pit.
 - F. Remove all equipment, concrete bases, and pipe not in use.
 - G. Clean and restore location to its natural state. Reseed according to BLM requirements.
7. Send a copy of the well service report to Ceal Yarbrough in the Midland Office so the proper forms can be filed.

Approved:



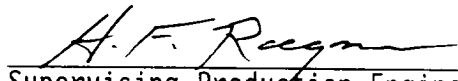
Production Specialist

5-25-90
Date



Engineer

5-29-90
Date



Supervising Production Engineer

6/18/90
Date



Division Engineering Manager

7/6/90
Date



Production Superintendent

7/11/90
Date

MCA Unit No. 9

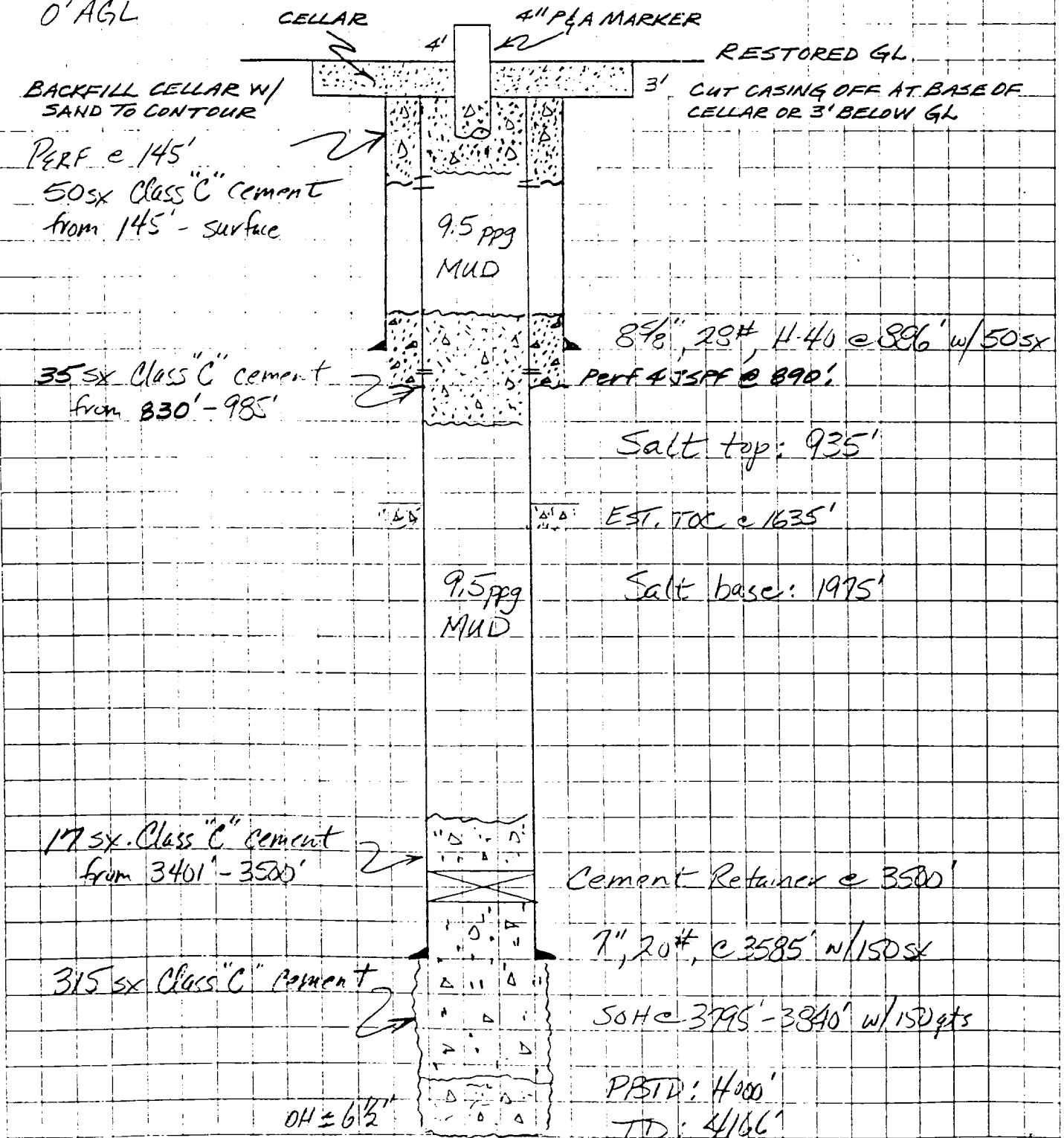
* Proposed P&H *

660' FSL & 660' FWL

Unit M Sec. 15, T-17S, R-32E

Elevation: 4021'

0' AGL



Conoco Inc.
Calculation Sheet

Job No.

Made By

Checked By

Date

Page

Title

Field

State