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

5. Lease Designation and Serial No.: LC-032573A

6. If Indian, Allottee or Tribe Name:

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.: Elliott A-15 No. 2

2. Name of Operator: Conoco Inc. (915) 686-6540

9. API Well No.: 30-025-10278

3. Address and Telephone No.: 10 Desta Drive West Midland, TX 79705

10. Field and Pool, or Exploratory Area: Penrose-Skelly-Grayburg

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): Unit O - 660' FSL & 1980' FEL SEC. 15, T-22 S, R-37 E

11. County or Parish, State: Lea, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☑ Notice of Intent	☑ 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.)*

We propose to plug and abandon the reference well according to the attached procedure.

RECEIVED
AUG 8 8 45 AM '90
BLM

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

Signed D. W. Morrison by [illegible] Title Administrative Supervisor Date August 3, 1990

(This space for Federal or State office use)

Approved by Orig. Signed by Tim Gum Title PETROLEUM ENGINEER Date 8-10-90

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

ELLIOTT A-15 NO. 2
PLUG AND ABANDON

Summary: The following procedure is recommended to permanently plug and abandon Elliott A-15 No. 2:

1. Set a cement retainer at 3370'.
2. Fill wellbore with 9.5 ppg mud.
3. Fill 7" casing and 6-1/4" open hole from 3370' to 3675' with 100 sacks of cement.
4. Spot 25 sacks of cement on cement retainer from 3370' to 3220'.
5. Spot a 25 sack cement plug across the base of the salt from 2465' to 2315'.
6. Spot a 25 sack cement plug across the top of the salt from 1295' to 1145'.
7. Perf 7" casing at 365' with 4 JSPF. Pump 165 sacks cement to set plug in 7" casing and fill 10-3/4" x 7" annulus from 365' to surface.

Location: 660' FSL & 1980' FEL, Sec. 15, T22S, R37E
Lea County, New Mexico

Elevation: 3375' DF (Est. 7' AGL)

Completion: Penrose Skelly Grayburg
TD: 3675'
6-1/4" Open Hole: 3433'-3675'

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)
10-3/4	32.75	H-40	315	10.036	880	1,820	.1009	.5665
7	24.0	J-55	3433	6.211	3,270	4,360	.0390	.2189
2-7/8	6.5	N-80		2.347	11,160	10,570	.00579	.03250

10-3/4" casing set @ 315' with 225 sx cement.
7" casing set @ 3433' with 400 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" with 2% $CaCl_2$ mixed at 14.8 ppg.
2. All mud shall be 9.5 ppg with 25 lbs gel/bbl brine.
3. ~~Call Candy Frauste to~~ Notify BLM prior to commencing any work.

Recommended Procedure:

1. Prepare well for P&A:

   A. MIRU. Bleed well pressure down.
   B. ND wellhead and NU BOP.

C. PU and TIH w/retrieving tool and 2-7/8" workstring to 3370'. Release RBP and POOH.

2. Pump bottom cement plugs:

A. MIRU cement services.
B. GIH w/7" cement retainer, setting tool, and WS. Set cement retainer @ 3370'

1. Test tubing to 1000 psi.
2. Sting out of retainer and circulate hole with 130 bbls mud. Test casing to 500 psi.
3. Sting back into retainer. Establish a pump rate.

C. Pump 100 sx cement to fill up 7" casing and open hole from 3370' to 3675'. Maximum surface pressure is 1000 psi.
D. Sting out of retainer and spot 25 sx cement on top from 3370' to 3220'. Displace tubing with 18 bbls mud.
E. POOH laying down WS to 2465'. Load hole with 2 bbls mud.
F. Pump 25 sx cement and displace with 13 bbls mud to spot plug across base of salt from 2465' to 2315'.
G. POOH laying down WS to 1295'. Load hole with 2 bbls mud.
H. Pump 25 sx cement and displace with 6 bbls mud to spot plug across top of salt from 1295' to 1145'.
I. POOH laying down WS.

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

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 @ 365'. POOH.
D. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 25 bbls mud to load hole and establish circulation up 10-3/4" x 7" annulus.
E. Pump 165 sx cement (22 sx excess) to fill up 10-3/4" x 7" annulus and set surface plug in 7" casing.

Note: If cement does not circulate to surface, pump 25 sx down 10-3/4" x 7" annulus.

F. POOH with tubing.
G. RD wireline and cement services.

4. 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 10-3/4" 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:

   Elliott A-15 No. 2
   Unit O, Sec. 15, T-22S, R37E
   Lea County, New Mexico
   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.

5. Send a copy of the well service report and final P&A schematic to Terry Stathem in the Midland Office so the proper forms can be filed.

Approved:

Tom C. Edwards — 7-9-90
Engineering Technician — Date

Joe Miller — 7-11-90
Engineer — Date

Bill E. Foster — 7/12/90
Supervising Production Engineer — Date

Division Engineering Manager — Date

Production Superintendent — Date

Brent D. Meyer — 01 AUGUST '90
Division Operations Manager — Date

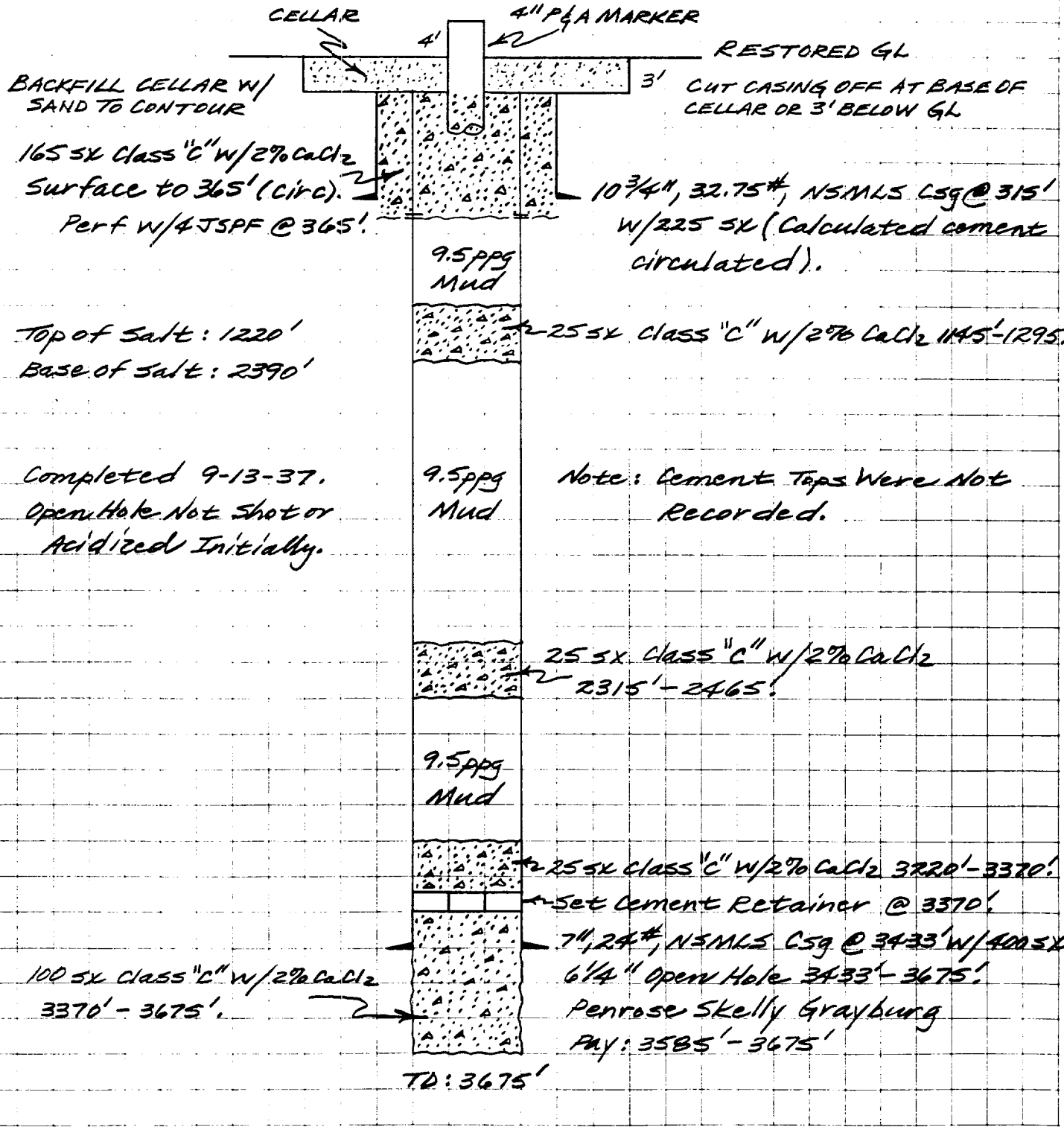
Brent D. Meyer for MKM — 01 AUGUST '90
Division Manager — Date

TCA/tjk
EA-15 No. 2.PRO

ELLIOTT A-15 No. 2

660' FSL & 1980' FEL
UNIT O, SEC. 15, T-22S, R-37E

ELEVATION: 3375' DF
3368' GL



Conoco Inc.
Calculation Sheet

Made By TCA
Checked By
Date 6-21-90
Page 1 of 1

~PROPOSED P&A~

Job No.
Field NMFU
State Lea County, NM