

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	8. Well Name and No. SEMU Abo No. 58
2. Name of Operator Conoco Inc.	9. API Well No. 30-025-07848
3. Address and Telephone No. 10 Dosta Drive West Midland, TX 79705	10. Field and Pool, or Exploratory Area East Shags Abo
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit C, 660' FWL + 1980' FWL Sec. 29, T20S, R38E	11. County or Parish, State Lee, N. Mex.

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"/> 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.)*

We propose to plug and abandon SEMU Abo No. 58 according to the attached procedure

RECEIVED
AUG 23 11 43 AM '90

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

Signed X. Jackson Title Administrative Supervisor Date 8/22/90

(This space for Federal or State office use)

Approved by _____ Title _____ Date 8-28-90

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

ARCO (1) AMOCO (1) CHEVRON (1) FILE (1)

SEMU Abo No. 58
Plug and Abandon

Summary: The following procedure is recommended to permanently plug and abandon SEMU Abo No. 58:

1. Spot a 30 sack cement plug on CIBP at 6950'.
2. Set CIBP at 5800' and spot 30 sacks cement on top.
3. Spot an 11 sack cement plug across intermediate casing shoe.
4. Spot an 11 sack cement plug across top of salt.
5. Perforate at 275' and circulate 60 sacks cement to surface up 7-5/8" x 5-1/2" annulus.
6. Pump 52 sacks down 10-3/4" x 7-5/8" annulus.

Location: 660' FNL and 1980' FWL Unit C, Sec. 29, T-20S, R-38E
Lea County, New Mexico

Elevation: 3537' DF (13' AGL)

Completion: Abo
TD: 9119' PBTD: 9115'
Perfs: 7004'-7602'

Casing/Tubing Specifications:

O.D. (in)	Weight (lbs/ft)	Grade	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft) (ft ³ /ft)	
10-3/4	32.75	H-40	225	10.036	880	1820	.1009	.5666
7-5/8	24.0	H-40		6.900	2040	2750	.0479	.2692
7-5/8	26.4	H-40	4004	6.844	3400	6020	.04717	.2648
5-1/2	15.5	J-55		4.825	4040	4810	.0240	.1336
5-1/2	17.0	J-55		4.767	4910	5320	.0238	.1305
5-1/2	17.0	N-80	9119	4.767	6280	7740	.0238	.1305
2-7/8	6.5	N-80		2.347	11,160	10,570	.00579	.0325

10-3/4" casing set at 225' with 250 sacks cement circulated to surface.

7-5/8" casing set at 4004' with 1800 sacks cement. TOC at 1700' by temperature survey.

5-1/2" casing set at 9119 with 525 sacks cement. TOC at 4650' by temperature survey.

Use safety factor of 70% for collapse and burst pressures. Assume 2-7/8" workstring will be used.

Notes: 1. Cement slurry used in this procedure shall be Class "H" neat mixed at 16.4 ppg and Class "C" neat mixed at 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.
 - C. PU and TIH w/4-3/4" bit, 5-1/2" casing scraper, and WS to 5860'. POOH.
2. Spot cement on CIBP:
 - A. GIH with WS and tag CIBP @ 6950" and PU 2'.
 - B. MIRU cement services. Load and circulate hole with 150 bbls mud.
 - C. Spot 30 sacks Class "H" cement from 6715'-6950' and displace with 38 bbls mud.
 - D. POOH laying down WS. (leave 5800' of WS in derrick)
3. Set CIBP and spot cement plug:
 - A. GIH w/5-1/2" CIBP, setting tool, and WS. Set CIBP @ 5800'. Release setting tool and PU 2'.
 - B. Load hole with mud.
 - C. Spot 30 sacks Class "H" cement from 5565'-5800' and displace with 32 bbls mud.
 - D. POOH laying down WS to 4060'.
4. Spot cement across intermediate casing shoe:
 - A. Load hole with mud.
 - B. Spot 11 sacks Class "C" cement from 3951'-4060' and displace with 23 bbls mud.
 - C. POOH laying down WS to 1500'.
5. Spot cement across top of salt:
 - A. Load hole with mud
 - B. Spot 11 sacks Class "C" cement from 1391'-1500' and displace with 8 bbls mud.
 - C. POOH laying down WS.
6. Circulate cement up intermediate casing and set surface plug:
 - A. MIRU wireline services.
 - B. RIH with 4" casing gun loaded 4 JSPF (120° phase, .4" EHD, centralized) and CCL.
 - C. Perforate 5-1/2" production casing at 275'. POOH.
 - D. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 9 bbls mud to load hole and establish circulation up 7-5/8" x 5-1/2" annulus.

- E. Pump 60 sacks cement (10 sacks excess) to fill up 7-5/8" x 5-1/2" annulus and set surface plug in 5-1/2" casing.

Note: If cement does not circulate to surface, pump 25 sacks down 7-5/8" x 5-1/2" annulus.

- F. POOH with tubing.
- G. Pump 52 sacks cement down 10-3/4" x 7-5/8" annulus.
- H. RD wireline and cement services.

7. 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 information must be capped and inscribed with the following well information:

SEMUA Abo No. 58
Unit C, Sec. 29, T-20S, R38E
Lea County, New Mexico
Date

Note: 1/4" metal plate can be welded to marker and then to the casing.

- 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.

8. Send a copy of the well service report to the Division office so the proper forms can be filed.

Approved:

Tom C. Sundell for STB 7-13-90
Production Specialist Date

J. A. McElroy 6/20/90
Engineer Date

John E. Porter 7/31/90
Supervising Production Engineer Date

H. F. Piegner 8/6/90
for Division Engineering Manager Date

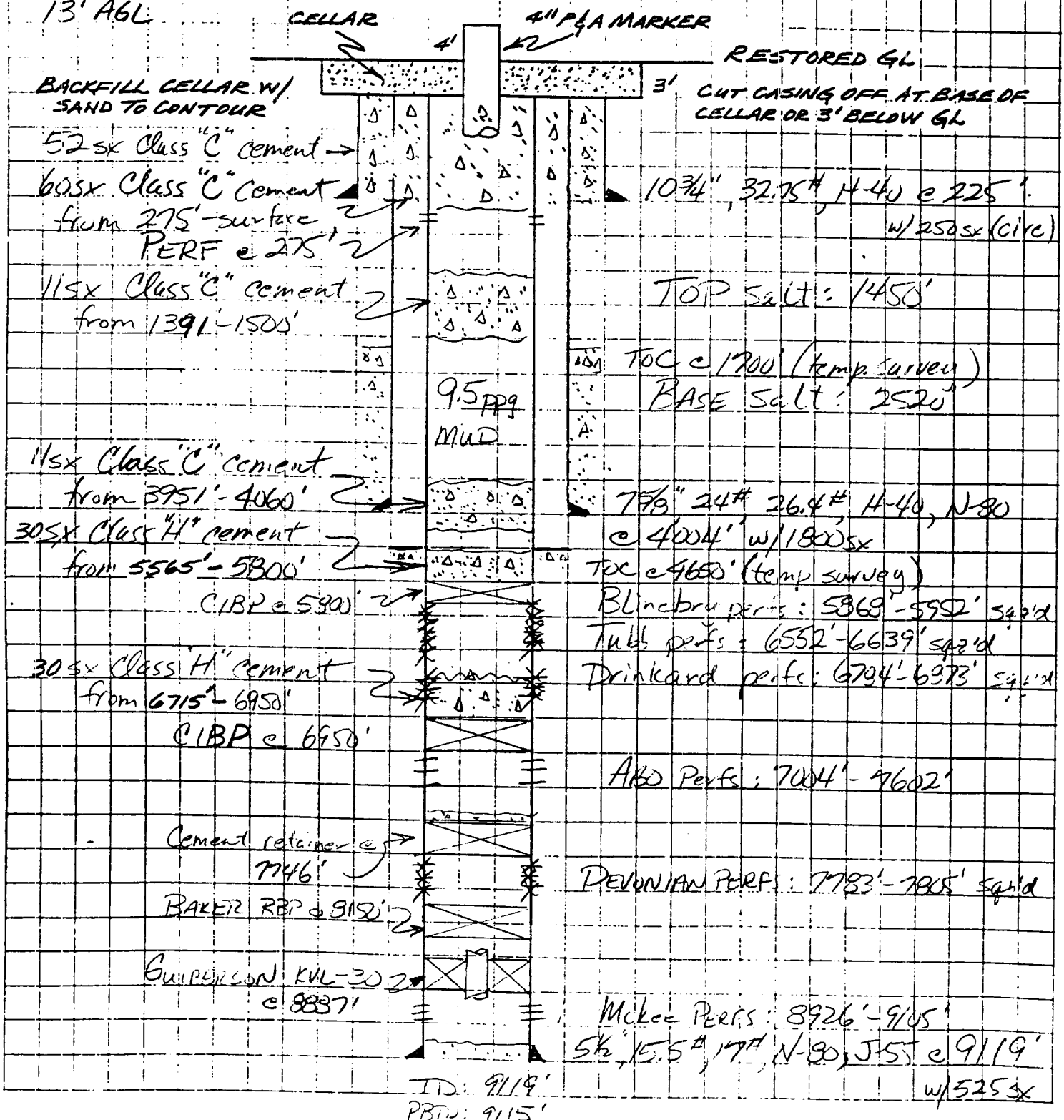
Ray H. Smith for STB 8-9-90
Production Superintendent Date

STB/tk
SEMU58.PRO

SEMU ABO No. 58

* Proposed P&A *

660' FNL & 1980' FWL
Unit C, Sec. 29, T-20S, R-38E
Elevation: 3537'
13' AGL



ID: 9119'
PBTW: 9115'

Conoco Inc.
Calculation Sheet

Made By
Checked By
Date

Title

Location

Page