

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. <b>LC-032581B</b>
2. Name of Operator <b>Conoco Inc.</b>	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>10 Dosta Drive West Midland, TX 79705</b>	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Unit A, 660' F102 &amp; 660' F12, Sec. 25, T-25S, R-36E</b>	8. Well Name and No. <b>Sholes B-25 No. 4</b>
	9. API Well No. <b>30-025-09810</b>
	10. Field and Pool, or Exploratory Area <b>Jalisco Yards 73 Rps. Transl</b>
	11. County or Parish, State <b>Lea County, N. Mex.</b>

**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 the Sholes B-25 No. 4 according to the attached procedure.

RECEIVED  
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14. I hereby certify that the foregoing is true and correct		
Signed <b>Josh Cray</b>	Title <b>Administrative Supervisor</b>	Date <b>11-28-90</b>
(This space for Federal or State office use)		
Approved by	Title	Date <b>12-4-90</b>
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

AREC (1) AMOCO (1) CHEVRON (1) FILE (1)

SHOLES B-25 NO. 4  
PLUG AND ABANDON

Summary:

The following procedure is recommended to permanently plug and abandon Sholes B-25 No. 4:

1. Set CIBP @ 2840' and load hole with mud.
2. Spot 25 sack cement plug on top of CIBP.
3. Perforate 5-1/2" casing @ 1040'. Spot 40 sack cement plug across top of salt and surface casing shoe.
4. Perforate 5-1/2" casing @ 300'. Circulate 85 sacks of cement to set surface plug.

Location:

660' FNL & 660' FEL, Unit A, Sec. 25, T-25S, R-36E  
Lea County, NM

Elevation:

3075' DF (10' AGL)

Completion:

Jalmat Yates Seven Rivers  
TD: 3060' PBD: 2997'  
Perfs: 2899'-2903', 2906'-08' w/1 JSPF.  
2939'-44', 2950'-57' w/1 JSPF.  
2972'-78', 2982'-87', 2990'-92' w/6 JSPF.

Casing/Tubing Specifications:

O.D. (in)	Weight (lbs/ft)	Grade	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft)	Capacity (ft <sup>3</sup> /ft)
8-5/8	32.0	H-40	1059	7.796	2210	2860	.0609	.3422
5-1/2	14.0	J-55	3058	4.887	3120	4270	.0244	.1370
2-7/8	6.5	N-80		2.347	11,160	10,570	.00579	.0325

8-5/8" casing set @ 1059' with 525 sacks cement circulated to surface.  
5-1/2" casing set @ 3058' with 500 sacks cement (TOC @ 1050' by temp. survey).

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:

SAFETY:

- 1) A TAILGATE SAFETY MEETING SHALL BE HELD PRIOR TO COMMENCING ANY WORK.
- 2) REVIEW VENDOR'S WELLSITE SAFETY PROCEDURES IN ADDITION TO CONOCO'S APPLICABLE SAFETY PROCEDURES.

1. Prepare well for PDA:

- A. MURU. Bleed well pressure down. Kill well with 9.5 ppg brine if needed.
- B. ND wellhead and NU BOP. POOH and lay down 2-7/8" production tubing and submersible pump equipment.
- C. PU and TIH w/4-3/4" bit, 5-1/2" casing scraper and workstring to 2870'. POOH.

2. Set CIBP and abandon Yates and Seven Rivers:

- A. GIH w/5-1/2" CIBP, setting tool and WS. Set CIBP @ 2840'.
- B. MURU cement services.

SAFETY:

- 1) ALL LINES MUST BE PROPERLY STAKED.
- 2) KEEP A SAFE DISTANCE AWAY FROM ALL PRESSURIZED LINES.

- C. Circulate hole with 70 bbls mud. Spot 25 sacks cement from 2840'-2600' and displace with 15 bbls mud.
- D. POOH with WS.

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

- A. MURU wireline services.

SAFETY:

REVIEW AND FOLLOW NEW MIDLAND DIVISION PERFORATING GUIDELINES.

- 1) INSURE VENDOR HAS POSTED WARNING SIGNS AT ALL ENTRANCES TO LOCATION.
- 2) KEEP ALL UNNECESSARY PERSONNEL AWAY FROM PERFORATING GUNS.
- 3) A PACK-OFF IS REQUIRED FOR ALL LOGGING AND PERFORATING RUNS.
- 4) BE SURE TO TURN OFF RADIOS AND MOBILE TELEPHONES. GROUND WELLSITE TO PERFORATING TRUCK.

- B. RIH with a hollow steel carrier with circulation jets loaded 2 JSPF (0" phase, 4" EHD, decentralized) and CCL.
- C. Perforate 5-1/2" production casing @ 1040'. POOH.
- D. GIH with WS to 1155'. Close BOP. Pump 40 bbls mud to load hole and establish circulation up 8-5/8" x 5-1/2" annulus.
- E. Spot 40 sacks cement from 1155'-965' in and out of 5-1/2" casing. Displace cement with 5 bbls mud.
- F. POOH with WS. MOC. GIH and tag top of cement.
- G. POOH laying down WS.

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

- A. RHH with a hollow steel carrier with circulation jets loaded 2 JSF and CCL.
- B. Perforate 5-1/2" production casing @ 300'. POOH.
- C. GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 15 bbls mud to load hole and establish circulation up 8-5/8" x 5-1/2" annulus.
- D. Pump 85 sacks cement (14 sacks excess) to fill up 8-5/8" x 5-1/2" annulus and set surface plug in 5-1/2" casing.

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

Sholes B-25 No. 4  
Unit A, Sec. 25, T-25S, R-36E  
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 and final P&A schematic to the Midland Office so the proper forms can be filed.

Approved:

*Tom C. Caldwell*  
Engineering Technician

10-22-90  
Date

*Mark Boydell*  
Engineer

10-29-90  
Date

*David P. Hite*  
Supervising Production Engineer

11-2-90  
Date

*Steve Hite*  
Division Engineering Manager

11-13-90  
Date

*Mike Lewis*  
Production Superintendent

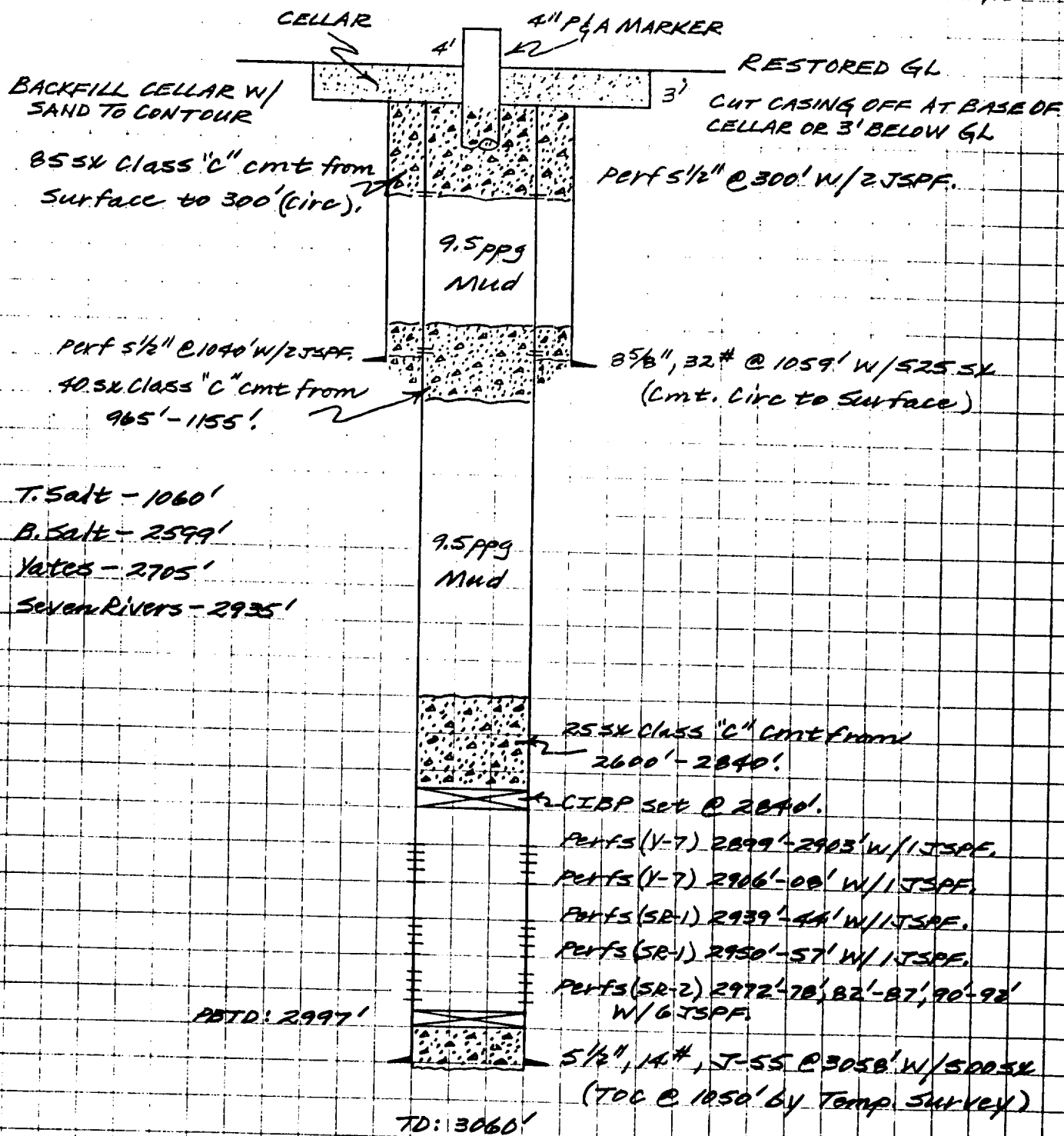
11-15-90  
Date

TCA\TK\SB-25#4.PRO

# SHOLES B-25 No. 4

660' FNL & 660' FEL  
UNIT A, SEC. 25, T-25S, R-36E

ELEVATION: 3075' DF  
3065' GL



Made By TCA

Checked By

Date 10-5-90

Page 1 of 1

Conoco Inc.  
Calculation Sheet

Job No.

Title

~ Proposed P&A ~

Field NMFH

State Lea County, NM