

STEVENS B-14 NO. 3
PLUG AND ABANDON

Summary:

The following procedure is recommended to permanently plug and abandon Stevens B-14 No. 3:

1. Set CIBP @ 3450' and load hole with mud.
2. Spot 25 sack cement plug on top of CIBP.
3. Spot 15 sack cement plug across top of salt. WOC. Tag top of plug.
4. Circulate 90 sacks of cement to spot plug across surface casing shoe and set surface plug.

Location:

660' FSL & 1980' FEL, Sec. 14, T-23S, R-36E
Lea County, NM

Elevation:

3379' DF (9' AGL)

Completion:

Queen
TD: 3670' PBTD: 3590'
Perfs: 3506'-12', 3520'-22', 3530'-33', 3552'-57', 3598'-3606', w/2 JSPF

4-1/2" Lokset RBP set @ 3450'

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)
7-5/8	24.0	H-40	348	6.900	2040	2750	0.0479	0.2691
4-1/2	9.5	J-55	3670	3.965	3310	4380	0.0162	0.0912
2-3/8	4.7	N-80		1.901	11,780	11,200	0.00387	0.02171

7-5/8" casing set @ 348' with 200 sacks cement circulated to surface.

4-1/2" casing set @ 3670' with 380 sacks cement (TOC @ 1225' by temp. survey).

Use safety factor of 70% for collapse and burst pressures.

Assume 2-3/8" workstring will be used.

Notes: 1. All cement slurry used in this procedure shall be Class "C" neat mixed @ 14.8 ppq.

2. All mud shall be 9.5 ppq 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 P&A:

- A. MUD. ND wellhead and NU BOP.
- B. PU and TIH w/on-off tool and 2-3/8" workstring to 3450'.
- C. Release RBP and POOH.

2. Set CIBP and abandon Queen:

- A. GIH w/4-1/2" CIBP, setting tool and WS. Set CIBP @ 3450'.
- B. MUD cement services.

SAFETY:

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

- C. Circulate hole with 60 bbls mud. Spot 25 sacks cement from 3450' - 3090' and displace with 12 bbls mud.
- D. POOH with WS to 1325'.

3. Spot cement plug across top of salt:

- A. Load hole with 3 bbls mud.
- B. Spot 15 sacks cement from 1325'-1115'. Displace cement with 4 bbls mud.
- C. POOH with WS. WOC. GIH and tag top of cement.
- D. POOH laying down WS.
- E. GIH w/1 joint 2-3/8" tubing. Close BOP. Pump 15 bbls mud to load hole and establish circulation up 7-5/8" x 4-1/2" annulus.
- F. Pump 90 sacks cement (17 sacks excess) to fill up 7-5/8" x 4-1/2" annulus and set surface plug in 4-1/2" casing.

Note: If cement does not circulate to surface, pump 25 sx down 7-5/8" x 4-1/2" annulus.

- G. POOH with tubing.
- H. RD 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). ROMO 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 7-5/8" 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:

Stevens B-14 No. 3

Sec. 14, T-23S, 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:

William
Engineer

14691
Date

Paul E. Bates
Supervising Production Engineer

2/22/91
Date

Paul E. Bates
Division Engineering Manager

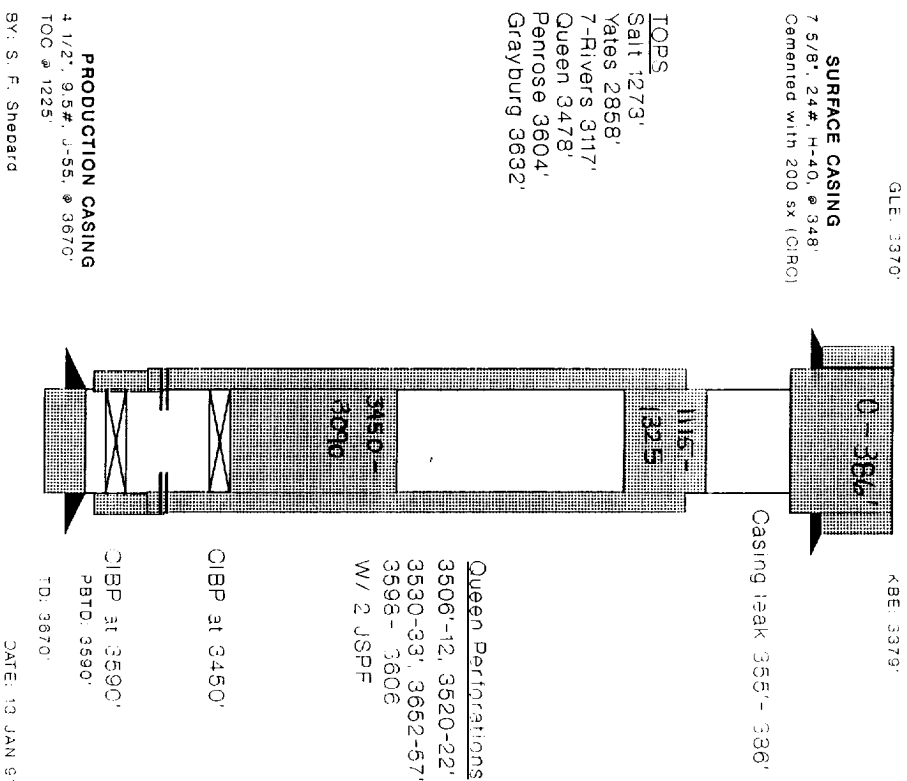
3/1/91
Date

William
Production Superintendent

3-1-91
Date

SFS/tk/STVB14#3. PRO

PROPOSED P&A WELLBORE DIAGRAM STEVENS B-14 NO. 3 NEW MEXICO FEDERAL UNIT



CURRENT WELLBORE DIAGRAM STEVENS B-14 NO. 3 NEW MEXICO FEDERAL UNIT

