

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Check Department No. 1004-1
Expires August 31, 1988

7. LEASE DESIGNATION AND SERIAL NO.

NM - 002512

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hawk B-10

9. WELL NO.

#3

10. FIELD AND POOL, OR WILDCAT

Brunson Ellenburger

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 10 T 21S R 37E

12. COUNTY OR PARISH

Olea

13. STATE

NM

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 ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Conoco Inc.

3. ADDRESS OF OPERATOR

P.O. Box 460 - Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

Unit 6

1980/N+E

14. PERMIT NO.

30-025-06452

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

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

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

(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.)

See attached recommended procedure to P&A
the above mentioned well.

NOTIFY BLM PRIOR TO COMMENCING P&A.

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

SIGNED

W.W. Baker

W.W. Baker

TITLE

Administrative Supervisor

DATE

1/19/90

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

2-6-90

*See Instructions on Reverse Side

HAWK B-10 NO. 3
PLUG AND ABANDON

Location: 1980' ENL & 1980' FEL. Sec. 10, T-21S, R-37E
Lea County, NM

Elevation: 3450' DF (13' AGI)

Completion:

Hare Simpson (McKee)
TD: 7981' PERD: 7790'
Perfs: 7470' 75' 80' 84' 88' 92' 96',
7500' 04' 08' 12',
7516' 20' 24' 32' 35' 40' 43' 46' 50' 54' 57',
7562' 66' 70' 74' 78' 82' 91' 94' 98',
7603' 08' 12',
7617' 26' 30' 34' 44' 48' 50' 54',
58' 62' 66' 83' 91' 94' 98',
7702' 16' 20' 24' 28' 32' 36', w/2 JSPF

Casing/Tubing Specifications:

O.D. (in)	Weight Grade (lbs/ft)	Depth (ft)	Drift (in)	Collapse (psi)	Burst (psi)	Capacity (bbl/ft) (ft ³ /ft)
10-3/4"	32.75 H-40	268	10.036	880	1,820	.1009
7-5/8"	24.0 H-40	3099	6.900	2,040	2,750	.0479
5-1/2"	14.0 J-55	3448	4.887	3,120	4,270	.0244
5-1/2"	15.50 J-55	5059	4.825	4,040	4,810	.0238
5-1/2"	17.0 J-55	7980	4.767	4,910	5,320	.0232
2-7/8"	6.5 N-80	2,347	11.160	10,570		.00579

10-3/4" casing set @ 268' with 250 sx cement circulated to surface.
7-5/8" casing set @ 3099' with 1150 sx cement. TOC @ 1350' by temperature survey.
5-1/2" casing set @ 7980' with 750 sx cement. TOC @ 3140' by temperature survey.
Use safety factor of 70% for collapse and burst pressures.
Assume 2-7/8" working will be used.

Notes: 1. Cement slurry used in this procedure shall be Class "H" neat mixed @ 15.7 ppg and Class "C" neat mixed @ 14.8 ppg.
2. All mud shall be 10 ppg with 25 lbs gel/bbl brine.
3. Call Kandy Lawson to notify BLM prior to commencing any work.

Recommended Procedure:

1. Prepare well for P&A:
A. MIRU. Bleed well pressure down. POOH and lay down rods and pump. Kill well with 10 ppg mud if needed.

Hawk B-10 No. 3
Plug and Abandon
Page 2

2. Set CIBP and spot cement plug:
A. GIH w/5-1/2" CIBP, setting tool, and 2-7/8" WS. Set CIBP @ 7420'. Release setting tool and pull up 2'.
B. MIRU cement services. Load and circulate hole with 175 bbls mud. Test casing to 500 psi.
C. Spot cement on CIBP from 7312' to 7420'. Pump 12 sx Class "H" cement and displace with 42 bbls mud.
D. POOH laying down WS to 5750'.

3. Spot cement across top of Blinberry from 5544' to 5750':
A. Load hole with 3 bbl mud.
B. Pump 23 sx of Class "H" cement and displace with 32 bbls mud.
C. POOH with WS.

4. Spot cement plug across intermediate 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 5-1/2" production casing @ 3135'. POOH w/casing gun.
D. GIH w/ WS to 3150'. Close BOP. Pump 65 bbls mud to load hole and establish circulation up 7-5/8" x 5-1/2" annulus.
E. Pump 25 sx cement (4 sx excess) and displace with 17 bbls mud to spot a 106' plug from 3150' to 3044' both in and out of 5-1/2" casing.

Note: If circulation cannot be achieved due to cement already behind 5-1/2" casing, pump 11 sx cement to spot a minimum 106' plug inside of 5-1/2" casing from 3150' to 3044'; go to step F. Surface pressure not to exceed 1000 psi.

5. Spot cement across top of salt from 1314' to 1420':
A. Load hole with 8 bbls mud.
B. Pump 11 sx of Class "C" cement and displace with 8 bbls mud.
C. POOH laying down WS.

- F. POOH laying down WS to 1420'.

6. Circulate cement up intermediate casing and set surface plug:

- MIRU wireline services.
- RIH with a hollow steel carrier with circulation jets loaded 2 JSPP (0" phase, .4" EHD, decentralized) and CCL.
- Perforate 5-1/2" production casing @ 320'. POOH.
- GIH w/1 joint 2-7/8" tubing. Close BOP. Pump 10 bbls mud to load hole and establish circulation up 7-5/8" x 5-1/2" annulus.
- Pump 65 sx of Class "C" cement (7 sx 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 sx down 7-5/8" x 5-1/2" annulus. Do not exceed 1000 psi surface pressure.

- POOH with tubing.
- Pump 60 sx of Class "C" cement to fill up 10-3/4" x 7-5/8" annulus to 320'. Do not exceed 1000 psi surface pressure.
- RD wireline and cement services.

7. Prepare surface location for abandonment:

- 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.
- Fill the casing strings (if necessary) from the cement plug to surface with cement.
- 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.
- Erect an abandonment marker according to the following specifications:

- Marker must be at least 4" diameter pipe, 10' long with 4' above restored ground level, and embedded in cement.
- Marker must be capped and inscribed with the following well information:

Hawk B-10 No. 3
Unit G, Sec. 10, T-21S, R-37E
Lee 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.

- Cut off dead-man anchors below ground level and remove markers. Fill in cellar and workover pit.

- Remove all equipment, concrete bases, and pipe not in use.
- Clean and restore location to its natural state. Reseed according to BLM requirements.

- Send a copy of the well service report to Kandy Lawson in the Hobbs Office so the proper forms can be filed.

Approved:

David E. Schindler
Engineering Technician

12-27-89
Date

Don V. Allen
Engineer

12-27-89
Date

John E. Davis
Supervising Production Engineer

1/11/90
Date

William L. Harrison
Division Engineering Manager

1/15/90
Date

John M. Davis
Production Superintendent

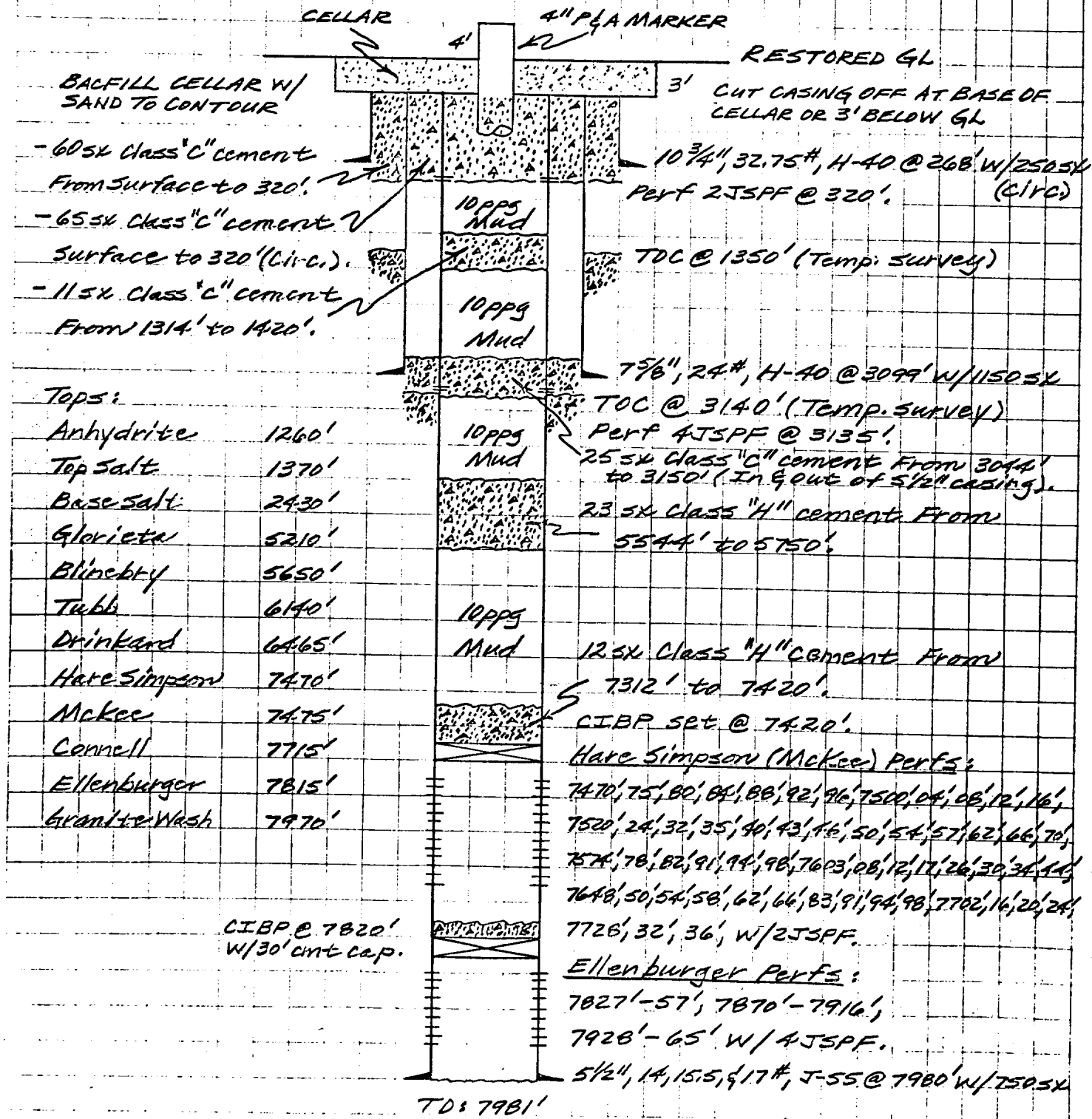
1/16/90
Date

TCA:mjm
HB10N03.PRO

HAWK B-10 No. 3

1960' FNL & 1980' FEL
UNIT G, SEC 10, T-215, R-37E

ELEVATION: 3450' DF
3437' GL



TCA

12-5-89

/ /

Corrado Inc.
Calculation Sheet

~Proposed P&A~

NMFU

Lea County, NM

RECEIVED

FEB 7 1990

CCO
HOBBS OFFICE