

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

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Union Oil Company of California, dba Unocal

3. Address and Telephone No.

3300 North Butler, Suite 200, Farmington, NM 87401 (505) 326-7600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1700' FSL & 1616' FWL

Sec. 7, T27N, R8W

5. Lease Designation and Serial No.

SF 078571

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Day B #4

9. API Well No.

30-045-20338

10. Field and Pool, or Exploratory Area  
Basin Dakota

11. County or Parish, State

San Juan Co., NM

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

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☒ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1)

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.)

A pressure test on the casing of the Day B No. 4 indicated a casing leak in June 1991. BLM approval was obtained to land the tubing in a cement retainer to isolate the casing annulus and test the well to determine the economics of repairing the well and returning to production.

Due to current market conditions and gas price, testing has indicated marginal economics associated with squeeze cement casing repair because of the high cost to adequately and effectively seal off a casing leak. However, a more effective and economical casing leak seal can be obtained utilizing the Guiberson Retrievable Casing Patch. A schematic of this type system is attached.

The system utilizes two cup type packers with a scab liner between the sealing packers. The casing leak is isolated from above and below, and continuity of the casing annulus is maintained by creating a new annulus between the 3-1/2" scab liner and the 2-3/8" tubing. This annulus in conjunction with the cement retainer allows for casing pressure monitoring to insure the integrity of the casing seal from above and below the casing patch.

Attached is a wellbore schematic of the current status of the well and a proposed schematic following installation of the casing patch.

This proposal will provide an effective casing leak seal, a method to insure integrity of the seal from both above and below, and an economic alternative in current market conditions to repair the well and return it to production. If additional information is necessary, please contact Craig Van Horn at (505) 326-7600.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

THIS APPROVAL EXPIRES AUG 01 1993

APPROVED

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

Signed

*Craig Van Horn*

Title Field Superintendent

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

9/18/91

SEP 27 1991

Date

SEP 27 1991  
FARMINGTON RESOURCE UNIT

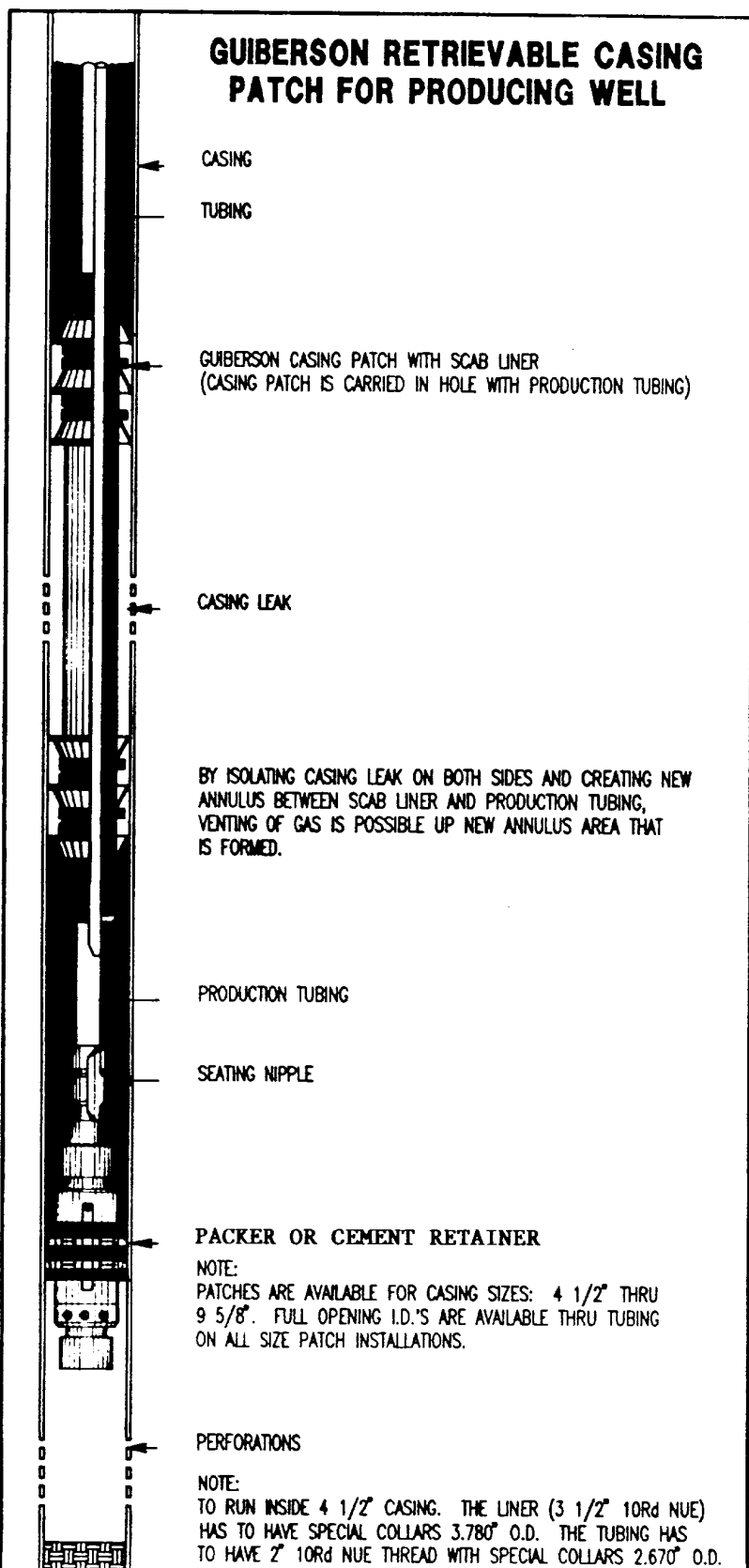
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NMOCD

\*See Instruction on Reverse Side



## PACKER INSTALLATION PLAN



# Calculation Record

## UNOCAL 76

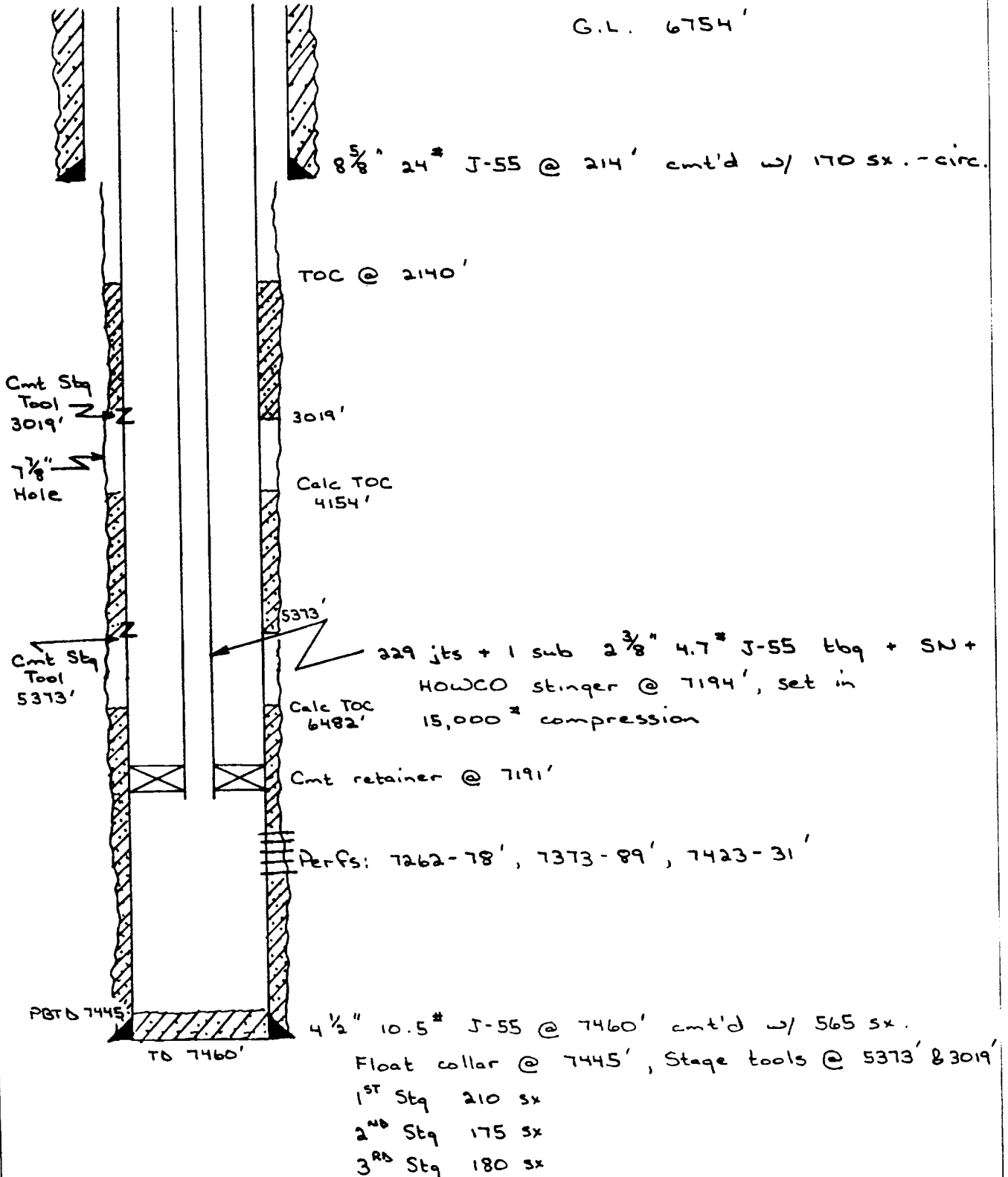
PREPARED BY	CHECKED BY	DATE	PAGE
		9/4/91	OF

DAY B # 4 DK

K-7-T27N-R8W

CURRENT STATUS

G.L. 6754'



# Calculation Record

## UNOCAL 76

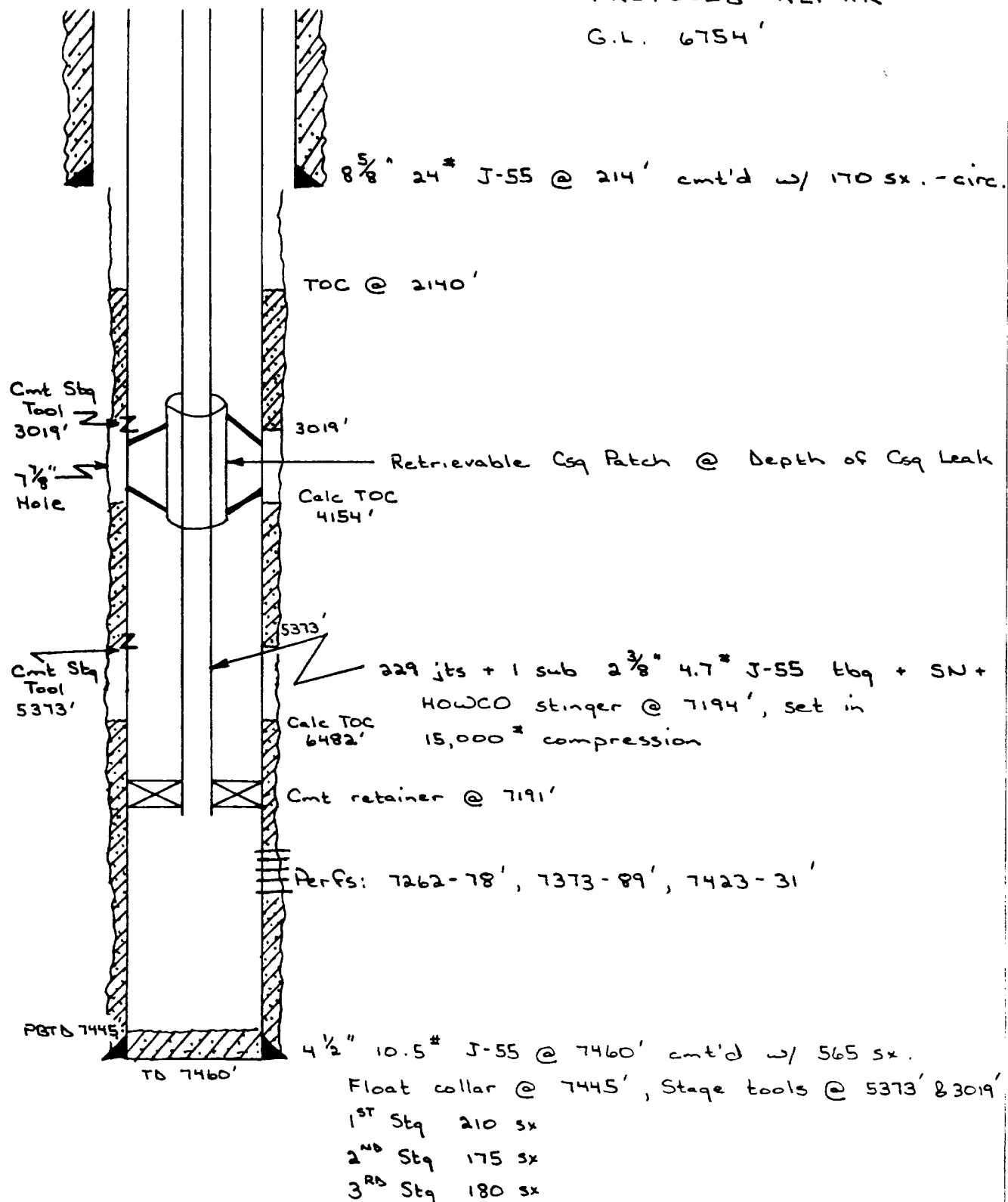
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		9/4/91	OF

DAY B # 4 DK

K-7-T27N-R8W

PROPOSED REPAIR

G.L. 6754'



The subject approval is temporary (until August 1, 1993). You are required to conduct and submit results of pressure tests every six months to insure casing integrity. You are also required to submit your plans to permanently repair the casing by the above date.