Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.: NM-04202

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA, Agreement Designation:

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: Johnston A 1E

2. Name of Operator: Amoco Production Company — Attention: Gail M. Jefferson

9. API Well No.: 300452498100

3. Address and Telephone No.: P.O. Box 800, Denver, Colorado 80201 — (303) 830-6157

10. Field and Pool, or Exploratory Area:

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1750FNL 1000FEL Sec. 17 T 28N R 9W Unit H

11. County or Parish, State: San Juan

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Well Repair	☐ 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.)*

Amoco requested permission to repair the above referenced well and was given a verbal approval for same by Wayne Townsend of the Bureau of Land Management.

Attached please find the procedures for the well repair.

If you have any technical questions please contact Mike Kutas at (303) 830-5159 or myself for any administrative questions.

RECEIVED
MAR 27 1995
OIL CON. DIV.
DIST. 3

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

Signed: Gail M. Jefferson — Title: Business Assistant — Date: 03-20-1995

(This space for Federal or State office use)

APPROVED

Approved by: _____ Title: _____ Date: MAR 22 1995

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.

DISTRICT MANAGER

* See Instructions on Reverse Side

Johnston A 1E
Orig. Comp. 6/81
TD= 6779', PBTD = 6764'

1. Contact State or Federal agencies before beginning work. Install and/or test anchors on location.

2. MIRUSU; Check and record tubing, casing and bradenhead pressures.

3. Lower TBG and tag bottom. Tally out of hole. Run TBG, PKR, and RBP; set RBP at 6500' (top perf at 6551'), raise and set PKR at 6400'. Pressure test casing/PKR/RBP to 1000 psi. Locate casing leak using TBG and PKR.

4. Establish injectivity into leak area. Release PKR, lower and spot sand on RBP, TOH with TBG and PKR. Run CBL log from RBP to surface to determine severity/extent of casing damage/problem.

5 Cement squeeze hole(s) in casing....method and volume of cement to be determined.

6. TIH with BxS, drill out cement, pressure test casing/squeeze to 500 psi. TOH with BxS. TIH with TBG, C/O sand and retreive RBP, TOH.

7. TIH with TBG and SN and 1/2 mule shoe, set bottom of TBG at 6730'

8. RDMOSU. Tie well back into surface equipment and turn over to production.

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159
(H) (303)840-3700

Johnston A 1E

MIRUSU - 1/18/95
Set Blanking plug in tbg w/slick line @6535'; tag bottom and TOH w/tbg.
Set BP @6500' with wireline; run tbg and pkr, set pkr @6429', pressure test tbg-pkr-BP-csg to 1200 psi; held ok.
Using tbg & pkr, located hole in csg @ 4481' to 4512'; establish injectivity into hole @ 1BPM x 700 psi, TOH x tbg x pkr.
Run CBL log from 6484' to 62', TOC 1460', poor bond across interval at 4445' to 4625'.
Run tbg & RTTS pkr, set pkr @ 4190' x squeeze casing leak with 100 sx class B cmt, SDON w/500 psi SP.
TOH & Tbg & RTTS pkr, TIH with tbg & BxS, Drill out cmt, prs test sqz to 500 psi - held ok; pressure test to 1000 psi - bled down to 325 psi in 5 min; retest to 1000 psi - bled to 600 psi in 12 min.
Run tbg & pkr, locate 2nd hole in csg @ 3970', establish injectivity into leak @ 1 BMP & 1050 psi, TOH with Tbg & pkr.
Run tbg & RTTS pkr, set pkr @ 3500'; squeeze casing leak with 100 sxs class B cmt, pressured up to 1200 psi; release pkr, TOH with 4 1/2 stands, reverse out, reset Rtts pkr, prs up on squeeze to 850 psi, SDON.
Release and TOH with RTTS pkr; prs test csg to 1000 psi, lost 340 psi in 30 mins. TIH with Tbg & BxS, found no cement to 6500'. TOH. Notify partners and regulatory agencies. Ok to run pkr and try to return well to production.
Run tbg & pkr, set RBP pkr @ 5506' w/btm tbg at 6721' - 1/2 mule shoe on btm w/SN 1 jt off btm.
RD&MOSU 2/1/95.