

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.

RECEIVED
JUN 11 1996

AM 10:47

070 FSL 1610FWL, NM

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

2. Name of Operator Attention:
Amoco Production Company Pat Archuleta

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201 (303) 830-5217

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1070'FSL 1610FWL Sec. 01 T 27N R 11W Unit N

5. Lease Designation and Serial No.

SF-078019

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
E. H. Pipkin #8X

9. API Well No.
3004506788

10. Field and Pool, or Exploratory Area
Basin Dakota

11. County or Parish, State
San Juan New Mexico

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 type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Repair	<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.)

Amoco Production Company requests permission to perform a bradenhead repair on this well per attached procdures.

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OIL & GAS
BUREAU

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

Signed

Pat Archuleta

Title

Clerk

Date

06-10-1996

(This space for Federal or State office use)

APPROVED

JUN 11 1996

Approved by

Title

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.

AMOCO

DISTRICT MANAGER

E.H. Pipkin #8X
Orig. Comp. 1/61
Elevations: GL = 5762', KB = 5773'
TD = 6269', PBTD = 6235'

Notice of Intent to Perform Bradenhead Repair

Brief description of work: The E.H. Pipkin #8X was initially completed 1/61. In 1/64 a casing leak was found and repairs attempted via cement squeeze techniques. A casing inspection log was ran during the procedure. The historic records are unclear as to whether the casing leak was repaired. However, a retrievable packer was set above the DK. The annular space was filled with a lightly gelled mud for a packer fluid. Current pressure measurements show 0 psig on the casing. It's possible that the casing leak was repaired and that the packer and packer fluid were installed on a preemptive basis. The purpose of this work is repair an identified bradenhead problem. However, uncertainty exists regarding the productivity of the DK and the condition of the casing. Prior to repairing the bradenhead, the objective is to isolate and obtain a good flow test of the DK to determine its productivity. If acceptable, the casing integrity will then be tested. The decision to repair the casing or not will depend upon the pressure test results and any pump in data gathered if a leak is found. The bradenhead will then be repaired.

The uncertainty for the DK production stems from the fact that the historic production data from this well show that it has never exceed about 70 MCFD. The historic data only goes back through 1970, post casing leak. Analysis of logs, reserves, and offsets indicate that this well should be capable of production in excess of 100 MCFD. This is supported by the high STIPs that have been measured on this well (~800 psig).

If we are unable to achieve 50 MCFD or greater from this well then we will proceed with PxA procedures, pending regulatory approval. Also, if we can achieve the target production rate but are unable to repair the casing leak we will seek regulatory approval to install a retrievable packer to isolate the leak and load the annulus with inhibited packer fluid.

Given the uncertainty in this repair, close communication and coordination will be required with the regulatory agencies.

E.H. Pipkin #8X

Orig. Comp. 1/61

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1. Contact Federal or State agency prior to starting repair work.
2. Catch gas and/or water sample off of bradenhead and casing, and have analyzed.
3. Install and/or test anchors on location.
4. MIRUSU. Check and record tubing, casing and bradenhead pressures.
5. Set retrievable plug in tubing immediately above packer. Blow down tubing.
6. ND wellhead. NU and pressure test BOP's.
7. RU HES. Perforate tubing above retrievable plug. Circulate out packer fluid. Contain packer fluid and dispose of per environmental standards.
8. Release packer and TOOII with tubing and retrievable packer. Note that packer has been in the hole since 1/64.
9. TIII w/ tubing. Tag for fill. Clean out if found across perforated interval. TOOII w/ tubing. TIII with tubing x retrievable packer. Set packer above DK and test x swab DK. Report results to Denver for decision on PxA versus return to production. Note: May attempt to reperforate DK if any evidence of scale is found. TOOII w/ tbg x pkr.
10. TIII with RBP and packer. Set RBP 50-100 ft. above perforations. TOII one joint and set packer. Pressure test RBP to 500 psi.
11. Pressure test casing above packer. Isolate leak, if any, by moving packer up the hole and repeating pressure test.
12. Establish injection rate into leak, if found, and attempt to circulate to surface.
13. Release packer, spot sand on RBP and TOII with packer.
14. Run CBL and CCL to determine cement top. Note: Highest cement top calculated at 940'.
15. Perforate casing above cement top, if necessary, with 4 JSPF and circulate dye to determine cement volume.
16. Depending on depth of hole and circulating pressure, a packer or cement retainer may be needed.
17. Mix and pump sufficient cement (Class B or equivalent, with a setting time of 2 hours) to circulate to surface. Shut bradenhead valve and attempt to walk squeeze to obtain a 500 psi squeeze pressure. WOC.
18. TIII with bit and scraper and drill out cement. Pressure test casing to 500 psi. TOII with bit and scraper.
19. TIII with retrieving head for RBP. Circulate sand off of RBP and TOII with RBP.
20. TIII with production string (1/2 mule shoe on bottom and seating nipple one joint off bottom) and land tubing at 6130-40'. NDBOP. NU wellhead.

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21. Swab well in and put on production.
22. RDMOSU.
23. Take final bradenhead pressures and log date/pressures in CRWS.

If problems are encountered, please contact:

Steve Webb

(W) (303) 830-4206
(H) (303) 488-9824

Brief description of work: The EH Pipkin #8X was initially completed 1/61. In 1/64 a casing leak was found and repairs attempted via cement squeeze techniques. A casing inspection log was ran during the procedure. The historic records are unclear as to whether the casing leak was repaired. However, a retrievable packer was set above the DK. The annular space was filled with a lightly gelled mud for a packer fluid. Current pressure measurements show 0 psig on the casing. It's possible that the casing leak was repaired and that the packer and packer fluid were installed on a preemptive basis. The purpose of this work is repair an identified bradenhead problem. However, uncertainty exists regarding the productivity of the DK and the condition of the casing. Prior to repairing the bradenhead, the objective is to isolate and obtain a good flow test of the DK to determine its productivity. If acceptable, the casing integrity will then be tested. The decision to repair the casing or not will depend upon the pressure test results and any pump in data gathered if a leak is found. The bradenhead will then be repaired.

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Amoco Production Company

ENGINEERING CHART

SUBJECT E H PIPKIN #8X 1570' FSLY 1610' FUSL
UNIT N, Sec. 01, T. 11, R. 11 W

Sheet No _____ of _____
 File _____
 Appn _____
 Date 4/18/96
 By SHW

RDB- 5713' -

GL- 5762' -

#8 3PUB 1/2/61

SEC CSG PROB > PKI

#8X 3PUB 4/7/61

IP 2/12/61 @

1301 MCFD

NOTE: 2000 GPM FLOW
 STARTING @ 500'
 8 5/8" 200' CSN 523

DR @ 1712'
 CMT W/ 150 SX W/ 60% GEL
 (CALC TOC 940')

1/64
 150 SX W/ 60% GEL
 3253-3111'
 CMT 3127 TEST'D
 OK

TBG: 23/8" 4.7# TSA6125

BTM- X-PIN COLLAR

Light
 yellow
 mud

6 SPF
 TRAC 40M GAL
 X 40M #1
 20/40
 6120-26'
 6157-63'

6 SPF
 TRAC 25M GAL
 X 18M #20/40
 6194-6202'

BAKER MODEL R
 PKR SA 6086'

4 1/2" 9.5# CON 6269'

CMT W/ 275 SX W/ 60% GEL
 TRAC 100 SX W/ 100 SX NEAT
 (CALC TOC 4450')

PRD 1.6235'

API: 3004506788

LSE - 3F-078019

PURCHASER - WFS

WELL FLAC 924379

G METER # 32597

31TP

7/79 712

4/83 771

3/85 722

2/88 700