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.
SF-080112

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.
Riddle F LS #10

2. Name of Operator
Amoco Production Company

Attention
E. R. Nicholson

9. API Well No.
30 045 21144

3. Address and Telephone No.
P. O. Box 800, Denver, Colorado 80201 (303) 830-5014

10. Field and Pool, or Exploratory Area
Pictured Cliffs

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1180'FSL 890' FWL Sec. 17, T28N-R8W Unit "M"

11. County or Parish, State
San Juan, NM

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 Bradenhead Prepair	☐ 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.)*

(See attached procedures)

RECEIVED
AUG - 2 1993
OIL CON. DIV
DIST. 3

RECEIVED
BLM
93 JUL 26 PM 1:26
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Signed [signature] Title Sr. Business Analyst Date 7/22/93

(This space for Federal or State office use)

Approved by _____ Title _____ Date AUG 30 1993
Conditions of approval, if any:

APPROVED
DISTRICT MANAGER

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.

* See Instructions on Reverse Side
NMOCD

Workover Procedure
Riddle F LS #10
Sec.17-T28N-R08W
San Juan County, NM

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. Blow down well and kill well, if necessary, with 2% KCL water.
6. ND wellhead. NU and pressure test BOP's.
7. TIH and tag PBTD, check for fill. Trip and tally out of hole with tubing, checking condition of tubing.
8. TIH with bit and scraper to top of perforations. A seating nipple and standing valve may be run in order to pressure test tubing. TOH.
9. TIH with RBP and packer. Set RBP 50-100 ft. above perforations. TOH one joint and set packer. Pressure test RBP to 1500 psi.
10. Pressure test casing above packer. Isolate leak, if any, by moving packer up the hole and repeating pressure test.

    NOTE: If this can not be accomplished, contact Cris Zogorski in Denver at (303) 830-4118. If no leak is found, it may be necessary to perforate ~~the casing below surface casing depth or~~ above the top of cement in order to circulate cement to surface.
11. Establish injection rate into leak, if found, and attempt to circulate to surface.
12. Release packer, spot sand on RBP and TOH with packer.
13. Run, if necessary, a CBL and CCL to determine cement top.
14. Perforate casing above cement top, if necessary, with 4 JSPF and circulate dye to determine cement volume.
15. Depending on depth of hole and circulating pressure, a packer or cement retainer may be needed.
16. 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 1000 psi squeeze pressure. WOC.
17. TIH with bit and scraper and drill out cement. Pressure test casing to 1000 psi. TOH with bit and scraper.
18. TIH with retrieving head for RBP. Circulate sand off of RBP and TOH with RBP.

19. TIH with sawtooth collar and/or bailer and clean out hole to PBTD, if fill was found in step 7. TOH.

20. TIH with production string (1/2 mule shoe on bottom and seating nipple one joint off bottom) and land tubing to original depth. NDBOP. NU wellhead.

21. Swab well in and put on production.

22. RDMOSU.

STATE OF NEW MEXICO

ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 5-7-93 Operator Amoco Production, 200 Amoco Court, Farmington, NM

Lease Name Riddle FLS Well No. 10 Location: Unit M N Section 17 Township 28N Range 8 W

Slim Hole

Pressure (Shut-in or Flowing) Tubing 94 Intermediate _____ Casing _____ Bradenhead 50

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES: INTERMEDIATE	CASING		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
5 min.		94	Steady Flow		
10 min.		94	Surges		
15 min.		94	Down to Nothing		
20 min.		94	Nothing		
25 min.		94	Gas		
30 min.		94	Gas & Water		
			Water ✓		

If Bradenhead flowed water, check description below:

CLEAR ✓ FRESH _____ SALTY ✓ SULFUR _____ BLACK _____

REMARKS:

Blew bradenhead for 30 min all water did not stop making water. Took water Samples Gas Sample off of Tubing

By Don Miller Witness _____

Meter No 87661 (1)

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(505) 334-6178

Water Harris

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 2-24-93 Operator Amoco Production, 200 Amoco Court, Farmington, NM

Lease Name Riddle FLS Well No. 10 Location: Unit M Section 17 Township 28 N Range 08 W

Pressure (Shut-in or Flowing) Tubing Swim Hole Intermediate NA Casing 95# Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES: INTERMEDIATE	CASING		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
5 min.	NA		Steady Flow	✓	
10 min.			Surges	—	
15 min.			Down to Nothing	—	
20 min.			Nothing	—	
25 min.			Gas	—	
30 min.			Gas & Water	—	
			Water	✓	

If Bradenhead flowed water, check description below:

CLEAR ✓ FRESH ____ SALTY ____ SULFUR ✓ BLACK ____

REMARKS: This well would continue flowing [illegible] water indefinitely - Water vulnerable well

By M L Harris Run # 30 Witness M L Harris

RIDDLE F LS 010 1718
Location – 17M– 28N– 8W
SINGLE PC
Orig.Completion – 4/73
Last File Update – 1/89 by DDM