

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

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-078596-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company Attn: John Hampton

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

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

910' FSL, 960' FWL, Sec. 3, T29N-R8W

8. Well Name and No.

Florance T 123E

9. API Well No.

30 045 25564

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

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☒ Recompletion  
☒ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other *Temporary Pit*

- ☐ 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.)

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 intends to abandon the Pictured Cliffs formation, perforate and stimulate the Fruitland Coal formation and dual produce as a Fruitland Coal/Dakota.

Amoco also requests approval to construct a temporary 15' X 15' X 5' (maximum size) blow pit for return fluids. This pit will be reclaimed upon completion of this operation.

Please contact Cindy Burton (303) 830-5119 if you have any questions relating to the above.

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

Signed

*John Hampton*

Title Sr. Staff Admin Supv.

Date 10-8-91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

OCT 24 1991

AREA 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 Instruction on Reverse Side

PROCEDURE  
Florance /T/ 123E

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow well down. NDWH and NUBOP.
3. TOO H with 1 1/4" tbg. (SA 2960').
4. Sting out of Model D pkr SA 3108' with 2 3/8" tbg. and TOO H.
5. TIH with 7" RBP and SA 3100' and spot 1 sacks of sand on top. TIH with 7" cement retainer and SA 2965'. Squeeze PC perforations with 45 cu. ft. (38 sx) class B cement. Sting out of retainer reverse out any excess cement and TOO H with tbg.
6. WOC 24 hrs. Drill out retainer and cement. Pressre test casing to 3500 psi. If pressure test fails, determine location of leak and prepare to squeeze.
7. Swab fluid level in casing down to 1500' from surface.
8. RU wireline company. Run a GR/CCL and tie into Gearhart CNL/FDC log dated 10/17/83.
9. TIH with a 4" casing gun and perforate the following intervals with 8 JSPF on 90 or 120 degree phasing:

2896'-2932'  
2949'-2956'
10. Install frac head if necessary.
11. RU fracture company. Frac well down casing at 86 BPM according to the attached procedure for bottom stage.
12. Leave well shut in for 4 hours. Flow back slowly on 1/4" choke to avoid sand production. Flow well overnight.
13. TIH with a 4" casing gun and perforate the following intervals with 8 JSPF on 90 or 120 degree phasing:

2843'-2847'  
2850'-2852'  
2857'-2860'  
2861'-2883'
14. TIH with 3 1/2" RBP and set at 2890'.
15. RU fracture company. Frac well down casing at 62 BPM according to the attached procedure for top stage.

16. Leave well shut in for 4 hrs. Slowly flow well back on 1/4" choke to avoid sand production. Flow well overnight.
17. TIH and clean out sand to RBP SA 2890'. TOH with RBP.
18. TIH with tbg. and clean out sand to 3080' (note: RBP @3100'). Slowly flow back load water attempting to avoid sand production.
19. Flow test well while holding 100 psi FTP. Report gas and water volumes and periodic fluid levels on report.
20. When well is cleaned up and there are no signs of fill entering wellbore, circ. sand off of RBP SA 3100' and TOOH with RBP.
21. TIH with 2 3/8" tbg. and seal assembly. Sting into Model D packer SA 3108' and land tbg. at 7310'. TIH with 1 1/4" tbg. (short string) and land at 2900'. ND BOP and NU wellhead. Flow/swab both Fruitland Coal and Dakota zones if necessary to ready for production. RDSU
22. Take wellhead gas and water samples and send in for analysis.

Well Name : Florance /T/ 123E (Bottom Stage)  
Formation : Fruitland Coal  
Frac down : 7" casing casing/liner.  
Frac with : 40/70 & 20/40 mesh. Use Brady.  
Packer set at : -

STAGE	FLUID TYPE (water)	FLUID VOLUME (gal.)	PROPPANT TYPE (mesh)	PROPPANT CONC. (ppg)	PROPPANT VOLUME (lb)	CUM. PROPPANT (lb)	BOTTOM HOLE RATE (bpm)
d)	1	slick	115,000	-	-	0	86
	2	slick	12,900	40/70	1	12,900	86
	3	slick	40,850	20/40	2	81,700	86
	4	slick	2,867	20/40	3	8,600	86
	5	slick	2,150	20/40	4	8,600	86
	6	slick	1,720	20/40	5	8,600	86
	7	slick	1,433	20/40	6	8,600	86
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al			177,000	gallons		129,000	lbs

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Casing capacity =          0.0393 bbl/ft.
Liner capacity  =          bbl/ft.   If no liner exists, leave blank.
Liner top      =          ft.       If no liner exists, leave blank.
Casing vol. to top perf =          113.8 bbl.
Flush w/       113 barrels of water
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Florance /T/ 123E (Bottom Stage)

Pertinent Data:

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At 86 BPM, travel time from the wellhead to  
the top perf is 1 min. and 19 sec.  
Maximum treating pressure 3500 psi.  
Have 13 400 bbl tanks of water  
Tanks should be clean prior to filling. Water should be clean and  
filtered.  
Sand bins should be cleaned prior to loading of sand.

Sand sieve analysis:	20/40 mesh	40/70 mesh
less than 1% less than	50 mesh	100 mesh
less than 1% greater than	16 mesh	30 mesh
greater than 90% between	20/40 mesh	40/70 mesh

## FRACTURE STIMULATION PROCEDURE

Well Name : Florance /T/ 123E (Top Stage)  
Formation : Fruitland Coal  
Frac down : 7" casing casing/liner.  
Frac with : 40/70 & 20/40 mesh. Use Brady.  
Packer set at : -

[illegible]

STAGE	FLUID TYPE (water)	FLUID VOLUME (gal.)	PROPPANT TYPE (mesh)	PROPPANT CONC. (ppg)	PROPPANT VOLUME (lb)	CUM. PROPPANT (lb)	BOTTOM HOLE RATE (bpm)
(pad)	1	slick	82,900	-	-	0	62
	2	slick	9,300	40/70	1	9,300	62
	3	slick	29,450	20/40	2	58,900	62
	4	slick	2,067	20/40	3	6,200	62
	5	slick	1,550	20/40	4	6,200	62
	6	slick	1,240	20/40	5	6,200	62
	7	slick	1,033	20/40	6	6,200	62
Total		128,000	gallons			93,000 lbs	

NOTE: All slick water used in this procedure should contain 0.75 gal / 1000 gal of Western FR-28 friction reducer or equivalent. No other additives are required.

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Casing capacity =          0.0393 bbl/ft.
Liner capacity  =          bbl/ft.   If no liner exists, leave blank.
Liner top       =          ft.       If no liner exists, leave blank.
Casing vol. to top perf =          111.7 bbl.
Flush w/        111 barrels of water
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Florance /T/ 123E (Top Stage)

Pertinent Data:

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At 62 BPM, travel time from the wellhead to  
the top perf is 1 min. and 48 sec.  
Maximum treating pressure 3500 psi.  
Have 10 400 bbl tanks of water  
Tanks should be clean prior to filling. Water should be clean and  
filtered.  
Sand bins should be cleaned prior to loading of sand.

Sand sieve analysis:	20/40 mesh	40/70 mesh
less than 1% less than	50 mesh	100 mesh
less than 1% greater than	16 mesh	30 mesh
greater than 90% between	20/40 mesh	40/70 mesh

FLORANCE 123E 658  
Location - 3M-29N-8W  
DUAL PC-DK  
Orig. Completion - 11/83  
Last File Update - 1/89 by DDM

FRT-2802'-3014'

PC--1SPF PERF 3015-3017  
3023-3025  
3028-3030  
3050-3054  
3060-3066

BOT OF 9.625 IN OD CSA 301  
36 LB/FT, K-55 CASING  
TOC - SURF

BOT OF 1.25 IN OD TBG AT 2960  
MODEL MOD D PACKER @ 3108

BOT OF 7 IN OD CSA 3650, 23 LB/FT  
K-55 CASING  
TOC - SURF  
TOP OF 4.5 IN. LINER AT 3500

DK--1SPF PERF 7294-7310

BOT OF 2.375 IN OD TBG AT 7310

7424-7428  
7450-7455  
7464-7469  
7495-7498  
7508-7516

PBTD AT 7552 FT.

TOTAL DEPTH 7560 FT.

BOT OF 4.5 IN OD LINER AT 7560  
11.6 LB/FT, K-55 CASING

Cathodic Protection - ?