

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMSF - 078578

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

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

8. Well Name and No.  
FLORANCE Z 40A

2. Name of Operator  
AMOCO PRODUCTION COMPANY

Contact: MARY CORLEY  
E-Mail: corleyml@bp.com

9. API Well No.  
30-045-22145

3a. Address  
P.O. BOX 3092  
HOUSTON, TX 77253

3b. Phone No. (include area code)  
Ph: 281.366.4491  
Fx: 281.366.0700

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

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

Sec 21 T30N R8W Mer NESE 1490FSL 1080FEL

11. County or Parish, and State

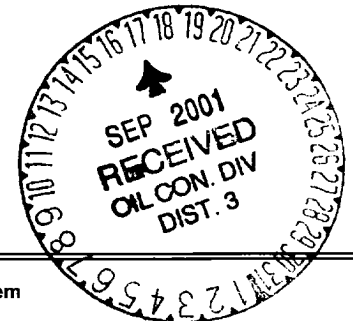
SAN JUAN COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> WRK
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Amoco Production Company request permission to add additional pay in the subject well by perforating and fracing the Lewis Shale formation within the Mesaverde Pool as per the attached procedure.



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

**Electronic Submission #6079 verified by the BLM Well Information System  
For AMOCO PRODUCTION COMPANY, sent to the Farmington  
Committed to AFMSS for processing by Lucy Bee on 08/06/2001 ( )**

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature

Date 07/31/2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By /s/ Jim Lovato

Title

Date

SEP 14

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

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NMOCD

## **Florance Z 40A Well Work Procedure**

**API #: 30-045-22145**

**Sec 21, T30N, R8W**

1. Check anchors. MIRU workover rig.
2. Kill with 2% KCL water if necessary. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi.
3. Tag for fill and tally OH with 2-3/8" production tubing. Visually inspect tbg while POOH.
4. TIH with bit and scraper for 4-1/2" casing to 4300'.
5. TIH with tubing-set CIBP. Set CIBP at 4300'. Load hole with 2% KCL.
6. Pressure test casing to 2500 psi
7. RU Schlumberger. RIH with acoustic/neutron logs and log interval 4300' to 2920'.
8. RIH with 3-1/8" 2 SPF 180 deg phasing casing guns with Schlumberger's Prospector, select-fire charge. Perforate Cliff House Transition formation (correlate to GR log).
9. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
10. Frac the Cliff House Transition according to pump schedule.
11. Immediately after frac job, RU WL unit and lubricator.
12. RIH and set CIBP between Cliff House Transition and Lower Lewis at 4080'.
13. Swab 3000' of fluid column in casing with the sandline.
14. RIH with 3-1/8" casing guns 2 SPF 180 deg phasing with Schlumberger's Prospector, select-fire charge. Perforate Lower Lewis shale (correlate to GR log).
15. Perform slug test using Nitrogen.
16. Breakdown the perforations with acetic acid.
17. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
18. Frac the Lower Lewis according to pump schedule.
19. Immediately after frac job, RU WL unit and lubricator.

20. RIH and set CIBP between Lower Lewis and Upper Lewis at 3720'.
21. RIH with 3-1/8" casing guns 2 SPF 180 deg phasing with Schlumberger's Prospector, select-fire charge. Perforate Upper Lewis shale (correlate to GR log).
22. Perform Slug test using nitrogen.
23. Breakdown the perforations with acetic acid.
24. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
25. Frac the Upper Lewis according to pump schedule.
26. Flowback frac fluid immediately.
27. TIH with tubing and bit. Cleanout fill and drill bridge plugs set at 4300', 4080' and 3720'. Clean out fill to PBTD. Blow well dry at PBTD.
28. Land 2-3/8" production tubing at 4950'.
29. Swab water from the tubing with the sandline.
30. ND BOP's. NU WH. Test well for air. Move rig out location.
31. Produce well for about 2 months to clean up perforations.

#### **Flow Test Lewis Shale**

32. MIRU workover rig. Pull out completion string.
33. TIH CIBP and set at 4080' to isolate perforations below Lewis.
34. TIH with 2 3/8" tubing and land at 4020'.
35. Move rig out location.
36. Return well to production and flow test Lewis for 3 months.

#### **Return to Normal Operation**

37. MIRU workover rig. Pull out completion string.
38. TIH with tubing and bit. Clean out bridge plug set at 4080'.
39. TIH with 2 3/8" tubing and land tubing at 4950' to commingle Lewis, Cliff House Transition and original Mesaverde perforations. Return well to production.

# FLORANCE Z 40A

Sec 21, T30N, R8W

API #: 30-045-22145

GL: 5870'

## History:

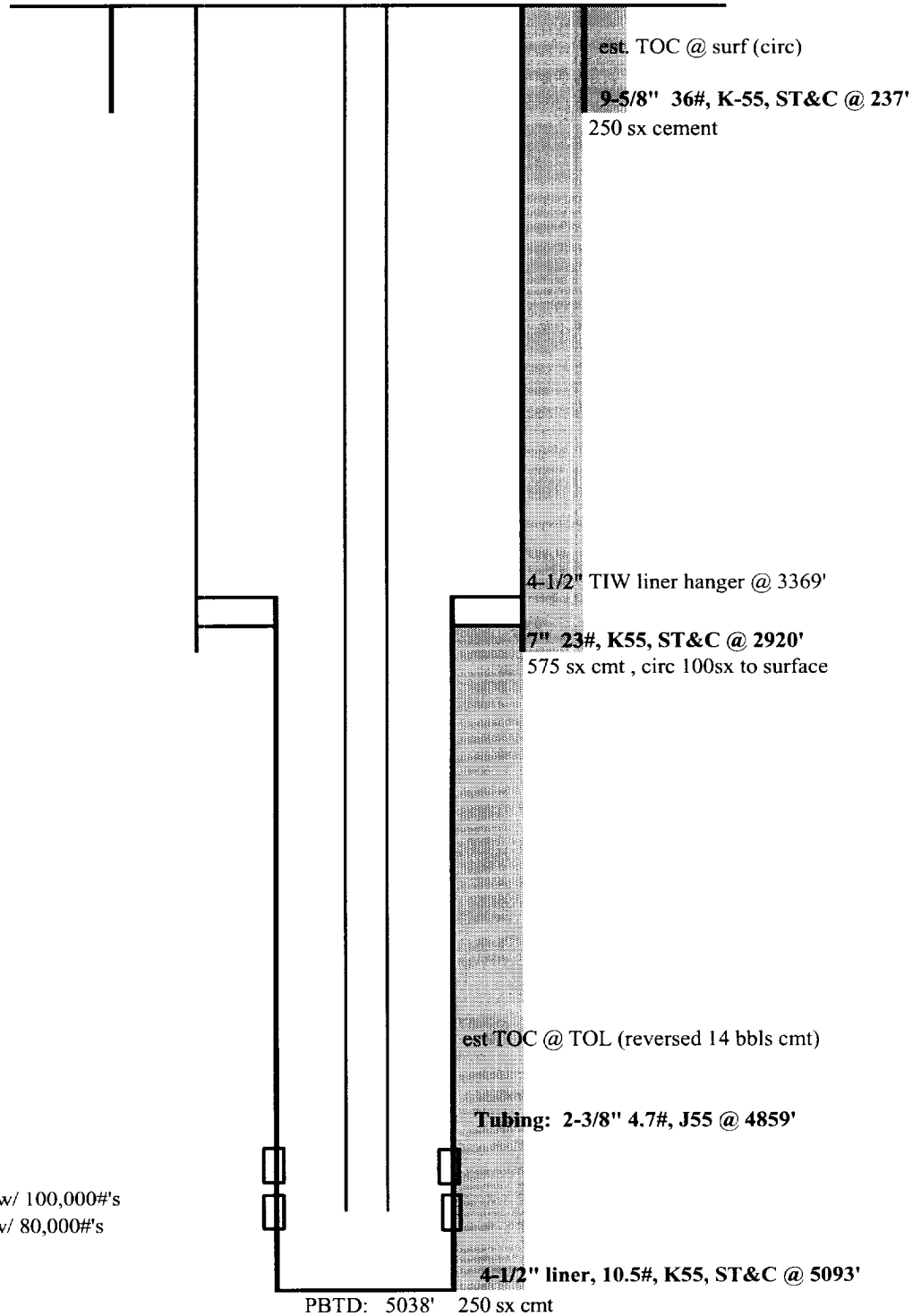
Completed in Jan. 1977

Recomplete in Aug. 1996

## Original MV perforations

4327' - 4713' 20 shots, frac'd w/ 100,000#'s

4808' - 4949' 15 shots, frac'd w/ 80,000#'s



updated: 6/6/01 az