

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 811 South First, Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. <b>30-045-30624</b>
5. Indicate Type of Lease <b>STATE FEE</b>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name:  <b>Florance</b> (Also filed on BLM Form 3163-5 BLM SF-078116)
8. Well No. <b>2M</b>
9. Pool name or Wildcat <b>Basin Dakota &amp; Blanco Mesaverde</b>
10. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>6080' GR</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
 Oil Well  Gas Well  Other

2. Name of Operator  
**BP America Production Company Attn: Mary Corley**

3. Address of Operator  
**P.O. Box 3092 Houston, TX 77253**

4. Well Location  
 Unit Letter 6 2355 feet from the North line and 1785 feet from the East line  
 Section 20 Township 30N Range 09W NMPM San Juan County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**6080' GR**

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <u>Downhole Commingle</u> <input checked="" type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

On 04/09/2001 BP America Production Company submitted an application for permit to drill and complete the subject well into the Basin Dakota, produce the well for approximately 30 days to establish a production rate, add the Blanco Mesaverde and commingle production Downhole. The completion into the Dakota was completed on 03/26/2002. We anticipate completion of the Mesaverde (per the attached procedure) within the next 30 to 45 days.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved for Downhole Commingling per NMOCD Order R - 11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore no further notification of this application is required.

Production is proposed to be allocated based on a fixed percentage. We will perform a deliverability test on the Dakota, isolate the zone and complete into the Mesaverde. The deliverability test will be performed on the combined zones and Dakota rate will be subtracted from the total well stream to establish the Mesaverde rate.

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 05/02/2002  
 Type or print name Mary Corley Telephone No. 281-366-4491

(This space for Signature)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:

MA -3 2002

# Mesa Verde/Dakota Infill Drilling Well Completion Procedure

**Well Name** Florance 2M  
**Version** 1.0  
**Date** 22 May 2002

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## Summary of Objectives

1. Perforate and frac (N2 foam) the Point Lookout/Menefee Formations
2. Perforate and frac (N2 Foam) the CliffHouse/Menefee Formations
3. Clean out frac and test
4. Run completion
5. Put the well on line

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## Pertinent Information

<b>Location</b>	20-30N-9W	<b>Horizon</b>	Mesa Verde
<b>County</b>	San Juan	<b>API Number</b>	
<b>State</b>	New Mexico	<b>Engineer</b>	Marney Pietrobon
<b>Well Flac</b>		<b>Phone #</b>	281-366-7609
<b>SAP Number</b>	X3- 003QT	<b>Mobile #</b>	713-444-0017

## Safety Observations and Issues

1. Equipment taking to site will be handled with *extreme care* to reduce any potential hazard for the environment.
2. A safety meeting will be held at the beginning of the job. The site and surrounding area will be kept clean and tidy throughout all operations with appropriate warning signs will be placed around work area.
3. Risk Assessment to be performed.

## Completion Procedure

1. Prepare the location and fence off the pits. Meet with Schlumberger to determine number of frac tanks required and the layout of the site.  
*Location and final spotting of equipment should not cause any hazards on site.*
2. Hold morning meeting, perform and discuss the Risk Assessment (JHA) with FMC (Wellhead Company) and rig crews.
3. Check and record tubing and casing pressures
4. Notify FMC (Wellhead Company) of frac date and conduct Risk Assessment (JHA) identifying major uncertainties i.e. dropped objects potentials
5. Blowdown well, if necessary kill well with 2% KCL
6. Nipple down wellhead, nipple up and pressure test BOP's.
7. Tag for fill. Tally out of hole and lay-down tubing. 2 3/8" production tubing is currently set at 7117'
8. RIH with bit and scraper, clean out to TD
9. RIH with tubing-set CIBP. Set CIBP at 5350'. Load hole with 2% KCL and pressure test casing to 1500 psi.

### FIRST MESAVERDE STAGE

10. Rig- up Schlumberger equipment & and prepare for perforating operation. Pick up and RIH with gun assembly. Perforate the Mesa Verde (*reservoir sections are known as the Point Lookout/Menefee*) with 1 SPF, 120° phasing as follows:  
5230', 5219', 5214', 5208', 5204', 5202', 5181', 5168', 5166', 5164', 5156', 5150', 5138', 5135', 5130', 5128', 5124', 5118', 5114', 5108', 5100', 5098', 5093', 5086', 5078', 5070', 5062', 5051', 5036', 5022', 5016', 5008', 5004', 5002', 4994', 4982', 4980', 4964', 4961', 4938', 4931', 4924', 4920', 4916', 4904', 4901', 4856', 4854', 4852', 4843', 4840'
11. POOH with wireline and guns, check for 100% firing rate. Report to Houston on the percentage fire rate of the guns used.
12. On day prior to frac rig-up EZ Drill plug/perf guns for 2<sup>nd</sup> stage piggyback. Lay plug/gun assembly down.
13. Hold Risk Assessment (JHA) meeting prior to frac job.

14. Rig-up Dowell-Schlumberger equipment and pressure test all lines. Frac the Mesa Verde (*reservoir sections are known as the Point Look out*) per Dowell procedure, lead frac with 500 gal of 15% HCL.

## **SECOND STAGE MESA VERDE**

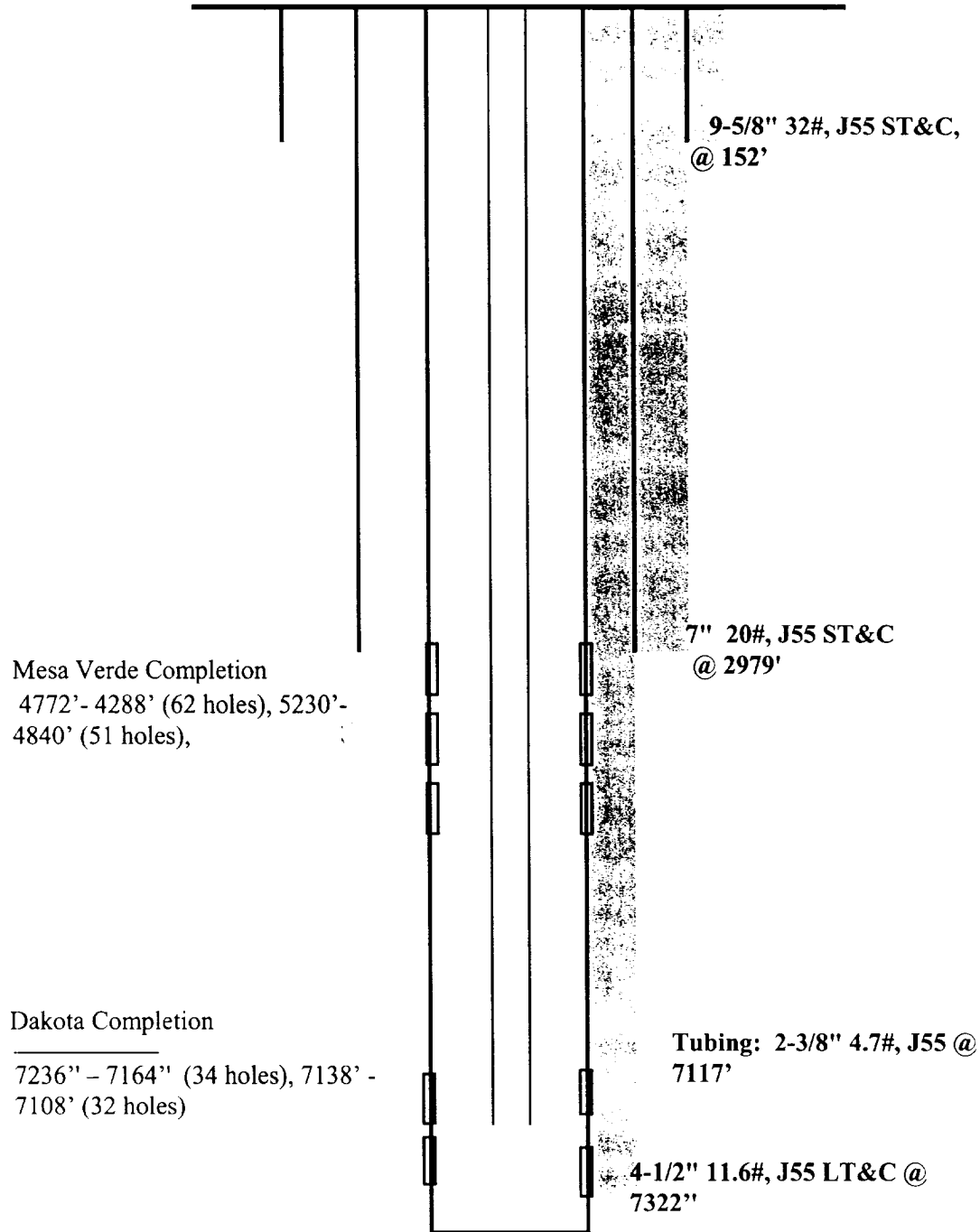
15. Hold Morning meeting and discuss Risk Assessment (JHA) with crews
16. Rig-up Schlumberger (wireline) equipment and prepare for perforating operations. Pick up and RIH with plug/gun assembly & set EZ Drill plug at **4810** ft. Perforate the Mesa Verde (*second reservoir section is known as the Menefee formation*) the with 1 SPF, 120° phasing as follows:  
4772', 4766', 4762', 4756', 4752', 4724', 4717', 4714', 4710', 4702', 4698', 4678', 4673', 4666', 4648', 4624', 4620', 4604', 4594', 4586', 4578', 4568', 4558', 4554', 4548', 4543', 4536', 4530', 4514', 4504', 4500', 4496', 4490', 4484', 4470', 4466', 4461', 4454', 4450', 4446', 4441', 4433', 4425', 4420', 4416', 4410', 4404', 4396', 4385', 4380', 4372', 4353', 4343', 4332', 4326', 4322', 4318', 4310', 4304', 4296', 4291', 4288'
17. POOH with plug/gun assembly and check firing rate of guns.
18. Frac the second Mesa Verde section (*known as the Menefee Formation*) as per Dowell procedure, lead frac with 500 gal. 15% HCL.
19. Rig-down Dowell & Schlumberger equipment.
20. Flowback well overnight.
21. Hold Morning Meeting and discuss Risk Assessment (JHA) with crews
22. Rig-Up Service Rig and RIH 2 3/8" production tubing with bit. Clean out fill and drill through BP set at 4810' and 5350'.
23. If fill exists, POOH with tubing and bit, rig-up air unit to bail, continue to bail until fill is 30 ft below bottom perforations (~ 7236'). If no fill is evident POOH with tubing and bit. Stand tubing in Derrick. Retrieve bit
24. Pick up and run 2 3/8" production tubing with 'F' landing nipple. Land tubing at 7117'
25. Run in slowly with tubing, noting the up and down weight of the string. Land tubing in Hanger. Send appropriate information to Mary Corley (281-366-4491) to file the C-104
26. Rig-Up wireline unit and set plug in the 'F' nipple. Nipple down BOP's, install Xmas tree and test to 3000 psi. If wellhead tests ok, retrieve plug, if not check seals on wellhead and re-test.

# Florance #2M

Sec 20, T30N R9W

API: 30-045-30624

GL: 6080'



Notes

Updated: 2 May 2002, MNP