

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

SEP 30 AM 9:53

070 Farmington, NM

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF - 078316
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well Gas <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or tribe Name
2. Name of Operator BP America Production Company Attn: Mary Corley		7. If Unit or CA Agreement, Name and No
3a. Address P.O. Box 3092 Houston, Texas 77253	3b. Phone No. (include area code) 281-366-4491	8. Lease Name and Well No. Florance Gas Com J 16B
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface 1785' FNL & 1045' FEL At proposed prod. Zone 2410' FNL & 1550' FEL		9. API Well No. 3004531814
14. Distance in miles and direction from nearest town or post office*		10. Field and Pool, or Exploratory Blanco Mesaverde
15. Distance from proposed* Location to nearest Property or lease line, ft. (Also to nearest drg. Ujnit line, if any) 1045'	16. No. of Acres in lease 320	11. Sec., T., R., M., or Blk. and survey or Area H Sec. 06, T30N, R09W
17. Spacing Unit dedicated to this well 320 E/2	12. County or Parish San Juan	13. State New Mexico
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 100'	19. Proposed Depth 5906'	20. BLM/BIA Bond No. on file WY2924
21. Elevations (show whether DF, KDB., RT, GL, etc.) 6413' GL	22. Approximate date work will start* September 01, 2003	23. Estimated duration 7 Days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mary Corley</i>	Name (Printed/typed) Mary Corley	Date 07/29/2003
Title Senior Regulatory Analyst		
Approved by (Signature) <i>David J. Markiewicz</i>	Name (Printed/typed) David J. Markiewicz	Date SEP 15 2003
Title Office		

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct Operations thereon.

Conditions of approval, if any, are attached.

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.

*(Instructions on reverse)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOC

HOLD C104 FOR Directional Survey

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

2003 JUL 30 AM 9:53

070 Farmington, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31814	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000537	⁵ Property Name Florance Gas Com J	⁶ Well Number # 16B
⁷ OGRID No. 000778	⁸ Operator Name BP AMERICA PRODUCTION COMPANY	⁹ Elevation 6413

¹⁰ Surface Location

UL or Lot No. H	Section 6	Township 30 N	Range 9 W	Lot Idn	Feet from the 1785	North/South line NORTH	Feet from the 1045	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. XG	Section 6	Township 30 N	Range 9 W	Lot Idn	Feet from the 2410	North/South line NORTH	Feet from the 1550	East/West line EAST	County SAN JUAN
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>Mary Corley</i></p> <p>Printed Name: Mary Corley</p> <p>Title: Regulatory Analyst</p> <p>Date: 07-29-2003</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: July 11, 2003</p> <p>Signature and Seal of Professional Surveyor: <i>GARY D. VANN</i></p> <p>7016</p> <p>Certificate Number</p>
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**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Florance GC J
Lease: Florance Gas Com J
County: San Juan
State: New Mexico
Date: July 17, 2003

Well No: 16 B
Surface Location: 6-30N-9W, 1785 FNL, 1045 FEL
Field: Blanco Mesaverde
Bottom Location: 6-30N-9W, 2410 FNL, 1550 FEL

OBJECTIVE: Drill 50' below the top of the Mancos Shale, set 41/2" production liner, Stimulate CH, MF and PL intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 6413'		Estimated KB: 6427'	
Rotary	0 - TD				
LOG PROGRAM		MARKER		TVD	MD
TYPE	DEPTH INVERAL	Ojo Alamo		1796	1846
<u>OPEN HOLE</u>		Kirtland		1948	2006
None		Fruitland		2540	2628
		Fruitland Coal	*	2904	3010
		Pictured Cliffs	*	3138	3250
		Lewis	#	3325	3438
<u>CASED HOLE</u>		Cliff House	#	4671	4785
GR-CCL-TDT	TDT - TD to 7" shoe	Menefee	#	4998	5112
CBL	Identify 4 1/2" cement top	Point Lookout	#	5383	5497
		Mancos		5742	5856
REMARKS:		TOTAL DEPTH		5792	5906
- Please report any flares (magnitude & duration).		# Probable completion interval * Possible Pay			
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		None	Production hole	Geograph	0-TD
REMARKS:					

MUD PROGRAM:					
Approx. Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L cc's/30 min	Other Specification
0 - 120	Spud	8.6-9.2			
120 - 2958 (1)	Water/LSND	8.6-9.2		<6	
2958 - 5906	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			

REMARKS:
 (1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)						
Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	120	9 5/8"	H-40 ST&C	32#	13.5"	1
Intermediate	2958	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	5906	4 1/2"	J-55	10.5#	6.25"	3,4

REMARKS:
 (1) Circulate Cement to Surface
 (2) Set casing 100' above Fruitland Coal
 (3) Bring cement 100' above 7" shoe
 (4) 100' Overlap

CORING PROGRAM:
 None

COMPLETION PROGRAM:
 Rigless, 2-3 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:
 Notify BLM/NMOCDD 24 hours prior to Spud; BOP testing, and Casing and Cementing.
 Form 46 Reviewed by: _____ Logging program reviewed by: N/A

PREPARED BY: HGJ/MNP/JMP	APPROVED:	DATE: July 17, 2003 Version 1.0
Form 46 12-00 MNP		

BP America Production Company

BOP Pressure Testing Requirements

Well Name: Florance GC J
County: San Juan

16 B
State: New Mexico

Formation	Est. MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1796'		
Fruitland Coal	2904'		
PC	3138'		
Lewis Shale	3325'		
Cliff House	4671'	500	500
Menefee Shale	4998'		
Point Lookout	5383'	600	500
Mancos	5742'		
TD	5792'		

** Note: Determined using the following formula: $ABHP - (.22 \times TVD) = ASP$

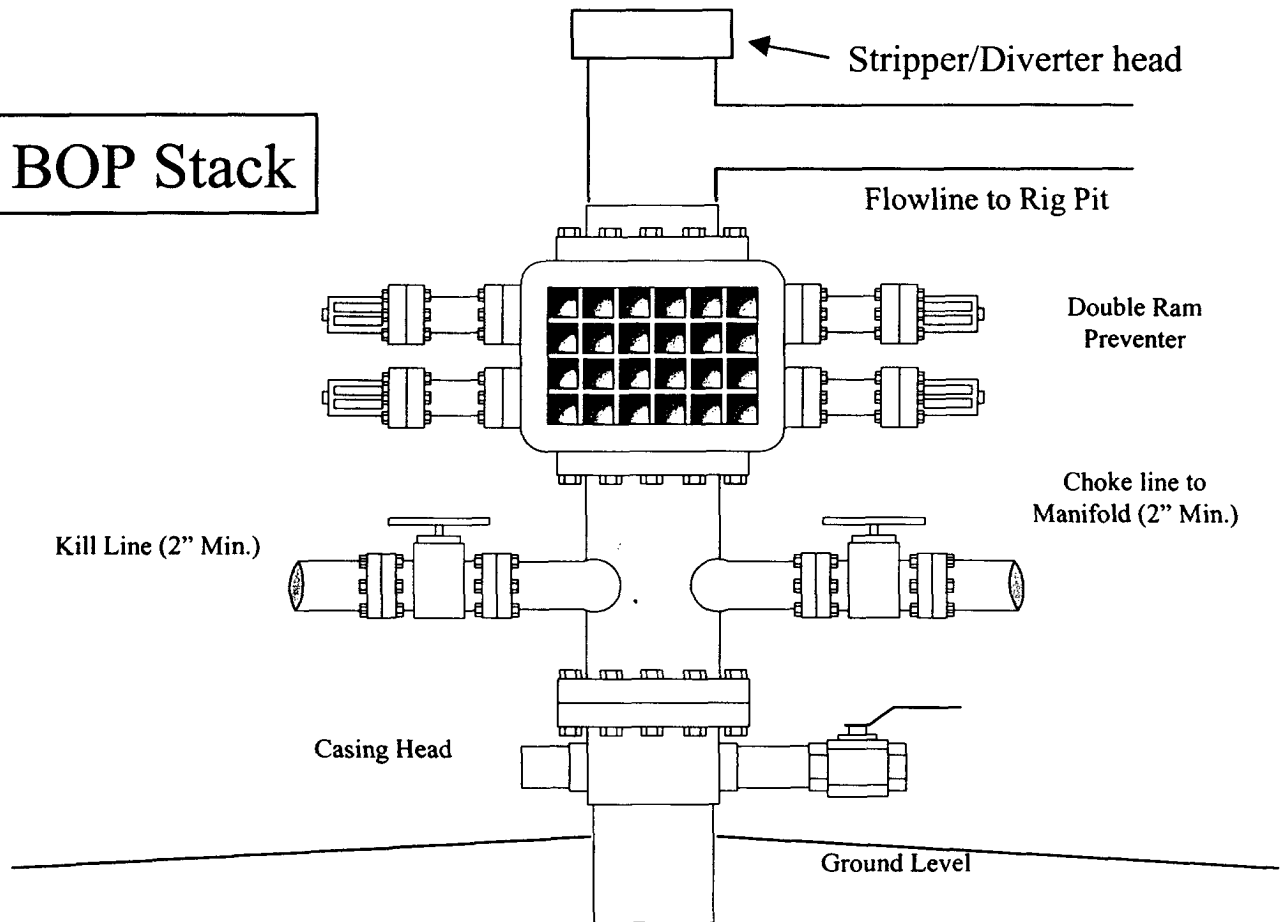
Requested BOP Pressure Test Exception: 750 psi

BP American Production Company

Well Control Equipment Schematic



BOP Stack



Choke & Kill Manifold

