

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF - 078596-A
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BP AMERICA PRODUCTION COMPANY Contact: MARY CORLEY E-Mail: corleyml@bp.com		7. If Unit or CA Agreement, Name and No. 518
3a. Address P.O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700	8. Lease Name and Well No. FLORANCE 35B
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNE Lot G 1690FNL 1610FEL 36.48300 N Lat, 107.42700 W Lon At proposed prod. zone SWNE Lot G 2400FNL 1980FEL 36.48300 N Lat, 107.42700 W Lon		9. API Well No. 30045 31170
14. Distance in miles and direction from nearest town or post office* 21 MILES FROM AZTEC, NEW MEXICO		10. Field and Pool, or Exploratory BLANCO MESAVERDE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1030	16. No. of Acres in Lease 320.00	11. Sec., T., R., M., or Blk. and Survey or Area 6 Sec 18 T30N R8W Mer NMP
18. Distance from proposed location to nearest well, drilling completed, applied for, on this lease, ft. 1000	19. Proposed Depth 5959 MD 5834 TVD	12. County or Parish SAN JUAN
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6408 GL	22. Approximate date work will start 10/15/2002	13. State NM
20. BLM/BIA Bond No. on file WY2924		17. Spacing Unit dedicated to this well 320.00 E/2
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:

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

25. Signature (Electronic Submission)	Name (Printed/Typed) MARY CORLEY	Date 08/16/2002
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature)	Name (Printed/Typed)	Date
1st David J. Mankiewicz	Office	NOV 25 2002

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.

Additional Operator Remarks (see next page)

Electronic Submission #13621 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

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".

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

HOLD C104 FOR

Directional Survey

NMOCD

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-31170		2 Pool Code 72319		3 Pool Name BLANCO MESAVERDE		
4 Property Code 518		5 Property Name Florance			6 Well Number # 35 B	
7 OGRID No. 000778		8 Operator Name AMOCO PRODUCTION COMPANY			9 Elevation 6408	

10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	18	30 N	8 W		1690	NORTH	1610	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

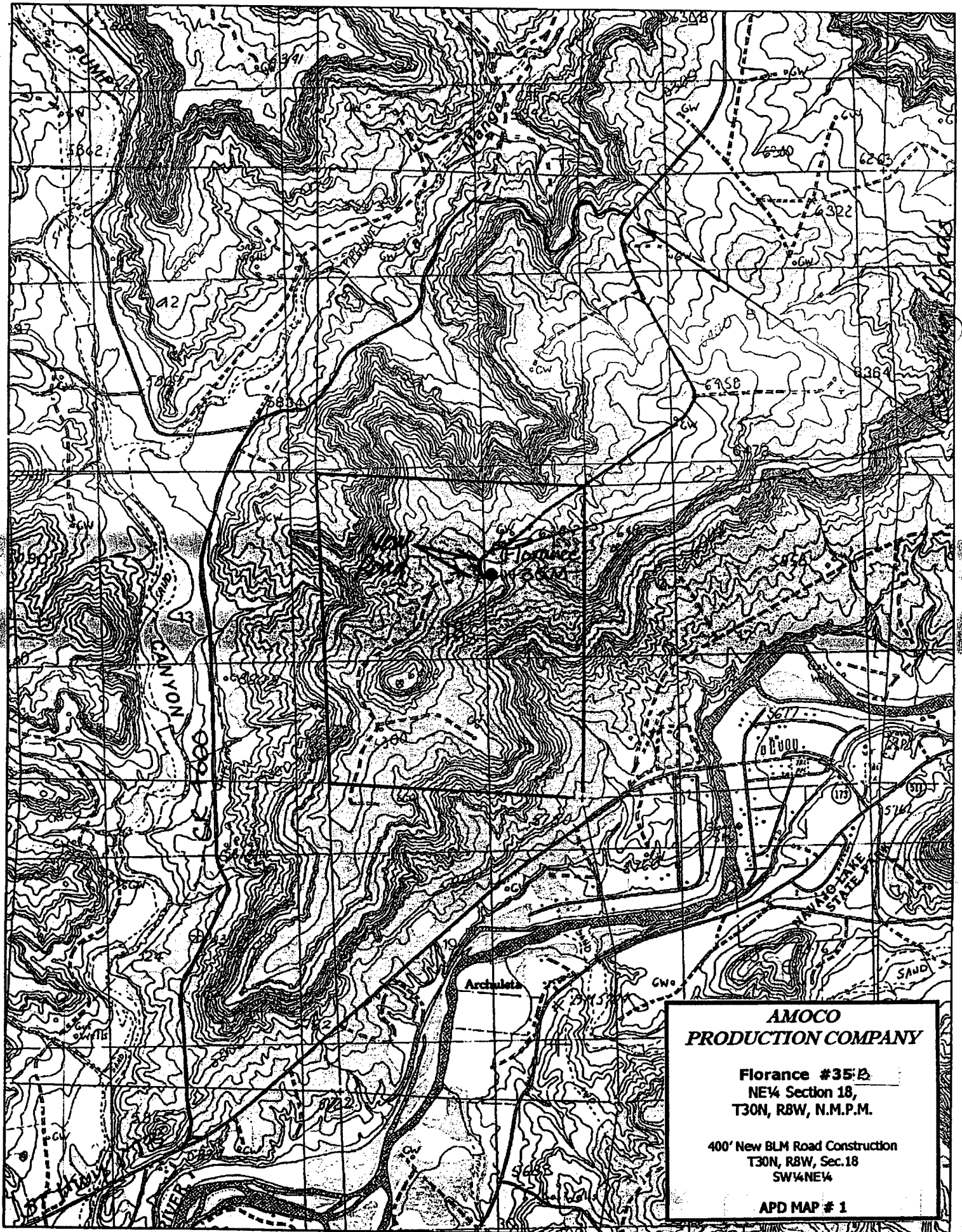
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	18	30 N	8 W		2400	NORTH	1780	EAST	SAN JUAN

12 Dedicated Acres 3.20	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

		16 OPERATOR CERTIFICATION I hereby certify that the information furnished herein is true and complete to the best of my knowledge and belief. Mary Corley Signature MARY CORLEY Printed Name SE Regulatory Analyst Title 08.16.2002 Date	
		17 SURVEYOR CERTIFICATION 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. July 9, 2001 Date of Survey GARY D. VANDERKAM Signature and Seal of Professional Surveyor 7016 Certificate Number	

(R) - BLM Record



**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Florance
Lease: Florance
County: San Juan
State: New Mexico
Date: August 16, 2002

Well No: 35B
Surface Location: 18-30N-8W, 1690 FNL, 1610 FEL
Field: Blanco Mesaverde
Bottom Location: 18-30N-8W, 2400 FNL, 1980 FEL

OBJECTIVE: Drill 50' below the base of the Mancos Shale, set 4 1/2" production liner, Stimulate LS, CH, MF and PL intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 6408		Estimated KB: 6422	
Rotary	0 - TD	MARKER		TVD	MEAS. DEPTH
LOG PROGRAM		Ojo Alamo		1965	2027
		Kirkland		2137	2210
		Fruitland Coal	*	2942	3063
		Pictured Cliffs	*	3200	3325
		Lewis Shale	#	3367	3492
		Cliff House	#	4899	5024
		Menefee Shale	#	5008	5133
		Point Lookout	#	5339	5464
		Mancos		5784	5909
			#		
			#		
			*		
			*		
		TOTAL DEPTH		5834	5959
		# Probable completion interval		* Possible Pay	

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		none	Production hole	Geolograph	0-TD
REMARKS:					

MUD PROGRAM:					
Approx. Interval	Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
0 - 120	Spud	8.6-9.2			
120 - 3011 (1)	Water/LSND	8.6-9.2		<6	
3011 - 5959	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#	12.25"	1
Intermediate	3011	7"	J/K-55 ST&C	20#	8.75"	1,2
Production Liner	5959	4 1/2"	J-55	10.5#	6.25"	3, 4

REMARKS:

- (1) Circulate Cement to Surface
- (2) Set casing 50' above Fruitland Coal
- (3) Bring cement 100' above 7" shoe
- (4) 100' Overlap

CORING PROGRAM:	
None	

COMPLETION PROGRAM:	
Rigless, 3-4 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:	APPROVED:	DATE:
HGJ/MNP		14 th August 2002
Form 46 12-00 MNP		Version 1.0

BP America Production Company BOP Pressure Testing Requirements

Well Name: Florance
County: San Juan

35B
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1965		
Kirkland	2137		
Fruitland Coal	2942		
PC	3200		
Lewis Shale	3367		
Cliff House	4899	500	0
Menefee Shale	5088		
Point Lookout	5339	600	0
Mancos	5784		

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

Requested BOP Pressure Test Exception: 750 psi

SAN JUAN BASIN
Mesaverde Formation
Pressure Control Equipment

Background

The objective Mesaverde formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

Equipment Specification

Interval

BOP Equipment

Below conductor casing to total depth

11" nominal or 7 1/16", 3000 PSI double ram preventer with rotating head.

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals.

FEDERAL CEMENTING REQUIREMENTS