

SAP NO: X5-xxxxxx

BP America Production Company AUTHORIZATION FOR EXPENDITURE

DATE PREPARED: 12/18/2002 FINANCIAL MEMO NO: SJ-02-001-WEWK

OPERATOR: BP America AFE NO: _____

LEASE/UNIT/FACILITY: Crawford SURFACE LOCATION: Sec.24, T29N, R12W

LEASE FLAC IDENTIFIER: _____ BOTTOM HOLE LOC: _____

WELL NAME/NUMBER: Gas Com B 1E PROPOSED TOTAL DEPTH: _____

OPERATION CENTER: San Juan COUNTY/STATE: San Juan, NM

BPA WORKING INTEREST: _____ OPERATING FIELD: Otera Chacra

JOA NUMBER: _____ HORIZON: Chacra
(formation/prospect)

ANTICIPATED START: Feb-03

PROJECT TYPE: Check one

- ☐ Capital Construction
- ☐ New Drill
- ☒ Recompletion
- ☐ Repair
- ☐ Plug and Abandonment
- ☐ Maintenance Expense Project
- ☒ Downhole Commingle
- ☐ Other

TYPE WELL:

- ☐ OIL WELL ☒ GAS WELL
- ☐ INJECTOR ☐ WATER DISPOSAL
- ☒ DEVELOPMENT WELL ☐ EXPLORATORY WELL
- ☒ SINGLE COMPLETION ☐ DUAL COMPLETION

INVESTMENT CATEGORY: check one

- ☐ DPXF ☐ APXF ☐ MPXF

PROJECT DESCRIPTION/COMMENTS TO PARTNERS:

BP is in the process of exploiting the undeveloped potential of the Chacra horizon through recompletions. The subject Dakota well is in an optimal location for such. However, the Dakota formation in this wellbore has not yet produced to its economic limit. It is therefore proposed to recomplete this well to the Chacra and commingle with the existing Dakota. The project includes a fracture stimulation along with appropriate facility modifications to produce the well.

EXPENSE/CAPITAL/PXA T - Tangible I - Intangible	DESCRIPTION	ESTIMATED COST	
		GROSS PRODUCER	GROSS DRY HOLE
Capital/Intangible	Drilling Intangibles	\$105,000.00	
	Rig 24000		
	E-line work 4000		
	Stimulation 45000		
	Rentals 15000		
	Transportation 4000		
	Misc 13000		
	105000		
Capital/Intangible	Well Equipment Tangibles	\$31,000.00	
	Materials 7000		
	Wellhead 2000		
	Tubing 11000		
	Sep & Tank 6000		
	Misc 5000		
	31000		
	TOTAL PROJECT COST:	\$136,000.00	\$0.00

PROJECT CONTACTS:

NAME	TITLE	PHONE NUMBER
John Papageorge	TECHNICAL CONTACT	281-366-5721
	BUSINESS CONTACT	

APPROVED BY: _____ DATE: _____

APPROVAL YES _____ NO _____

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. Nonoperators should not consider these estimates as establishing any limit on the monies which will be required to perform the proposed operation. Overhead will be charged in accordance with the Joint Operating Agreement.

COMPANY NAME / NONOPERATOR: _____

BY _____ DATE: _____
(print name)

BY _____
(signature)

SPECIAL REQUESTS: (i.e. template preference, additional WBS elements, special recording by Tulsa, etc.)

CCenter: _____
JV #: _____
Lease flac: _____
Well Flac: 84203601

PROJECT CLOSE
API #: 30-045-24011
Date of State of Prod. Ready: _____
TD: _____
PBTD: _____
Useless Footage: 0

BP America Production Company
Compulsory Pooling-January 23, 2003
S/2 of Section 24-T29N-R12W
San Juan County
Exhibit No. 413

UPDATED 08/05/99