

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address BP America Production Company P. O. Box 3092 Houston, Texas 77253		² OGRID Number 000778
		³ API Number 30-045-31066
³ Property Code 16904	⁵ Property Name Roberts	⁶ Well No. 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	29N	13W		1130'	South	1060'	East	San Juan

⁸ Proposed 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
⁹ Proposed Pool 1 Kutz Pictured Cliffs, West						¹⁰ Proposed Pool 2			

¹¹ Work Type Code N - New Drill	¹² Well Type Code Gas	¹³ Cable/Rotary Rotary/Top Drive	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 5337'
¹⁶ Multiple No	¹⁷ Proposed Depth MD 1400'	¹⁸ Formation Kutz Pictured Cliffs, West	¹⁹ Contractor Aztec	²⁰ Spud Date Approx. 09/01/2002

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
(1) 8 3/4"	7"	23#	135'	40 sxs Cls G	Surface
(3) 6 1/4"	4 1/2"	11.6#	1389'	110 sxs LiteCrete	Surface

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

OBJECTIVE: Drill 200' into the Pictured Cliffs, set 4 1/2" casing to TD, perf & stimulate Pictured Cliffs interval.

Run cased Hole (GR-CCL-TDT) logs: TDT from PBDT. GR-CCL from PDTD to surface.

(1) Circulate Cement to Surface (2) Set Casing 200' below top of Pictured Cliffs.

Mud Program: 0' - 135' Type - Spud Weight 8.6 - 9.2
135' - TD Type - Water Weight 8.6 - 9.2

The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency

Completion: Rigless, Single stage Hydraulic Frac.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Cherry Hlava*

Printed name: **Cherry Hlava**

Title: **Regulatory Analyst**

Date: **04/09/2002**

Phone: **281-366-4081**

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: **SENIOR REG. ANALYST**

Approval Date: **APR 10 2002**

Expiration Date: **APR 10 2003**

Conditions of Approval:

Attached

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 30-045-31066	² Pool Code 79680	³ Pool Name Katz Pictured Cliffs, West
⁴ Property Code 16904	⁵ Property Name Roberts	⁶ Well Number # 2
⁷ OGRID No. 000778	⁸ Operator Name BP AMERICA PRODUCTION COMPANY	⁹ Elevation 5337

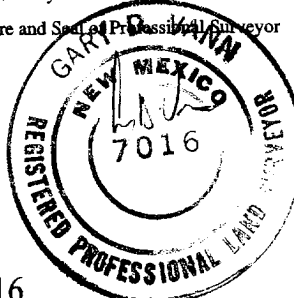
¹⁰ Surface Location

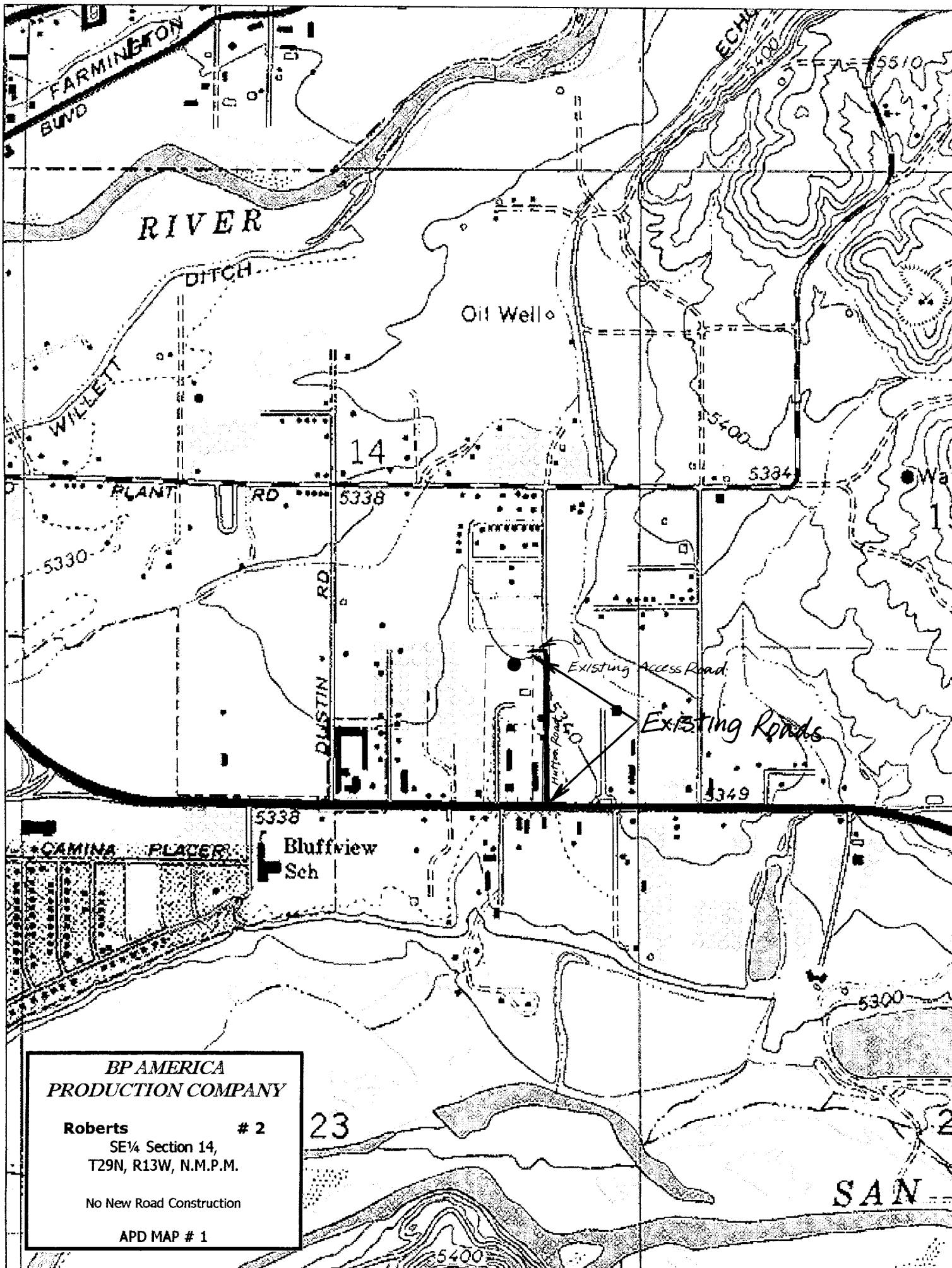
UL or Lot No. P	Section 14	Township 29 N	Range 13 W	Lot Idn	Feet from the 1130	North/South line SOUTH	Feet from the 1060	East/West line EAST	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

⁷ UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
160									
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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	^{5284(R)}		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Cherry Hlava Signature Cherry Hlava Printed Name Regulatory Analyst Title 4-1-02 Date	
	14			¹⁸ 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. March 13, 2002 Date of Survey Signature and Seal of Professional Surveyor  7016 Certificate Number
	1130' 1060'			



BP America Production Company

BOP Pressure Testing Requirements

Well Name: Roberts #2
County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	Surface		
Kirtland	169		
Fruitland Coal	1149		
PC	1189		

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

Requested BOP Pressure Test Exception: 750 psi

SAN JUAN BASIN Pictured Cliffs Formation Pressure Control Equipment

Background

The objective Pictured Cliffs 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.
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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.