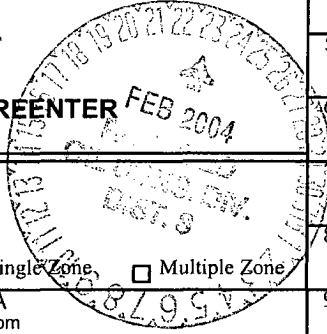


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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. NM 013686
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		7. If Unit or CA Agreement, Name and No.
3a. Address P.O. BOX 3092 HOUSTON, TX 77253-3092		8. Lease Name and Well No. PRITCHARD B 5S
3b. Phone No. (include area code) Ph: 281.366.4081 Fx: 281.366.0700		9. API Well No. 3004532122
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWNW Lot 4 890FNL 1205FWL 36.51600 N Lat, 107.46400 W Lon At proposed prod. zone		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
14. Distance in miles and direction from nearest town or post office* 22.5 MILES N/E FROM AZTEC, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 34 T31N R9W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 890'		12. County or Parish SAN JUAN
16. No. of Acres in Lease 1275.56		13. State NM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 75' TO NEAREST WELL		17. Spacing Unit dedicated to this well 315.47 W/2
19. Proposed Depth 2890 3060 MD		20. BLM/BIA Bond No. on file WY2924
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6088 GL		23. Estimated duration 7 DAYS
22. Approximate date work will start 03/01/2004		

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) CHERRY HLAVA	Date 01/08/2004
Title REGULATORY ANALYST		
Approved by (Signature) <i>/s/ David J. Mentkiewicz</i>	Name (Printed/Typed)	Date FEB 19 2004
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.

Additional Operator Remarks (see next page)

Fruitland HPA released 2-5-04

Electronic Submission #26551 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

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

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

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

NMOC

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		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal	
4 Property Code 000961		5 Property Name Pritchard B			6 Well Number # 5S
7 OGRID No. 000778		8 Operator Name BP AMERICA PRODUCTION COMPANY			9 Elevation 6088

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
D (Lot 4)	34	31 N	9 W		890	NORTH	1205	WEST	SAN JUAN

Bottom Hole Location If Different From Surface

11 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 315.47	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 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><i>Cherry Hlava</i> Signature Cherry Hlava Printed Name Regulatory Analyst Title 1-6-04 Date</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>September 25, 2003 Date of Survey</p> <p>GARY D. VANA Signature and Seal of Professional Surveyor</p> <p>7016 Certificate Number</p>	
	<p>2612 (R)</p>	
	<p>2630 (R)</p>	

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

Prospect Name: Pritchard B
Lease:

Well No: 5S
Surface Location: Section 34D, T31N, R9W; 890'
FNL, 1205' FWL
Field: Basin Fruitland Coal

County: San Juan
State: New Mexico
Date: December 15, 2003

OBJECTIVE: Drill to a TD of 3050' md, topset FT with 7" casing and air drill the Fruitland Coal interval, underream and set 5.5" liner.

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 6088		Estimated KB: 6101	
Rotary	0 - 3050' MD, 3063' KB	MARKER	SUBSEA	MEAS. DEPTH	
LOG PROGRAM		Ojo Alamo	4627	1474	
		Kirtland	4411	1690	
		Fruitland	3529	2572	
		Fruitland Coal	*# 3416	2685	
		Pictured Cliffs	* 3209	2892	
TYPE	DEPTH INVERAL	TOTAL DEPTH		3051	
Mud log & gas chromatograph	2500 - TD			2890 3050	
(see Remarks section below).					
REMARKS: At TD and prior to completion of the Fruitland coal interval, the operator will FAX or email a copy of the mud log covering the lower basal Fruitland coal seam and Pictured Cliffs Formation to the FFO-PMT geologist (Chip Harraden @ 505-599- 8997 or chip_harraden@nm.blm.gov) as well as the bp engineer (Dan Crosby @ 281-366-7099 or crosbyde@bp.com). Note: it is very important that the mud log include gas chromatograph results.					
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		none	none	Geolograph	0-3050 2890
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 - 2670 (1)	Water/LSND	8.6-9.2		<6	
2670 - 3050 2890	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, 8 RND	32.3	12.5"	1
Intermediate	2670	7"	J-55, 8 RND	20.0	8.75"	1
Production Liner	2650 - 3050 2890	5 1/2"	J-55, 8 RND	15.5	11.0"	2

REMARKS:
(1) Circulate Cement to Surface
(2) under-ream hole from 6.25" to 11.0" before running 5 1/2" liner.

CORING PROGRAM:
None

COMPLETION PROGRAM:
No frac, perforated liner completion. Run 2-3/8" reduced collar tubing to a depth of 3000' kb.

GENERAL REMARKS:
Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by: _____ Logging program reviewed by: _____ N/A

PREPARED BY: Daniel Crosby	APPROVED:	DATE: 1/5/2004
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Form 46 12-00 MNP

BOP Test Pressure

**BP America Production Company
BOP Pressure Testing Requirements**

Well Name: Pritchard B
County: San Juan

5S
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1474		
Kirtland	1690		
Fruitland Coal PC	2685	200	0
Lewis Shale			
Cliff House			
Menefee Shale			
Point Lookout			
Mancos			
Dakota			

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

Requested BOP Pressure Test Exception: 850 psi

**SAN JUAN BASIN
Fruitland Formation
Pressure Control Equipment**

Background

The objective Fruitland Coal 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 in the Basin ~~Dakota~~. No abnormal temperature, pressure, or H2S anticipated.

Fruitland Coal

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 2000 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.

Cementing Program

Well Name:	Pritchard B5S	Field:	Basin Fruitland Coal
Location:	Sec 34 - 31N - 09W, 890' FNL, 1205' FWL	API No.:	
County:	San Juan	Well Flac:	
State:	New Mexico	Formation:	Fruitland Coal
		KB Elev (est):	6101
		GL Elev. (est):	6088

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)	Cmt Cir. Out (bbl.)
Surface	120	12.5	9.625	ST&C	Surface	NA	
Production -	2670	8.75	7	ST&C	Surface	NA	

Casing Properties:

(No Safety Factor Included)									
Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)	
Surface		9.625	32 H-40	3370	2270	1400	254	0.0787	8.845
Production -		7	20 K-55	3740	2270	254	0.0405	6.456	

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	Recommended Mud Properties Prio Cementing:		
			PV	YP	Fluid Loss
0 - SCP	Water/Spud	8.6-9.2	<20	<10	<6
SCP - TD	Water/LSND	8.6-9.2			
SCP - TD	Gas/Air/N2/Mist	NA			

Cementing Program:

	Surface	Production
Excess %, Lead	100	40
Excess %, Tail	NA	40
BHST (est deg. F)	75	120
Special Instructions	1,6,7	2,4,6

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

*Do not wash up on top of plug. Wash lines before displacing production cement job to minimize drillout.

Surface:

Preflush	20 bbl.	Fresh Water	
Slurry 1	80 sx Class G Cement		83 cuft
TOC@Surface	+ 3% CaCl2 (accelerator)		
	0.25 #/sk Cellophane Flake (lost circulation additive)		0.347 cuft/ft OH
	0.1% D46 antifoam		
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

Casing Equipment: 9-5/8", 8R, ST&C
1 Guide Shoe

Cementing Program

- 1 Top Wooden Plug
- 1 Autofill insert float valve
- Centralizers, 1 per joint except top joint
- 1 Stop Ring
- 1 Thread Lock Compound

Production:

Fresh Water	10 bbl	CW100	
Lead		180 sx Class "G" Cement	452 cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+ 2% S1 Calcium Chloride	
		+1/4 #/sk. Cellophane Flake	
		+ 0.1% D46 antifoam'	
Tail		90 sx 50/50 Class "G"/Poz	105 cuft
Slurry 2		+ 2% gel (extender)	
	500 ft fill	0.1% D46 antifoam	0.1503 cuft/ft OH
		+1/4 #/sk. Cellophane Flake	0.1746 cuft/ft csg ann
		+ 2% CaCl2 (accelerator)	

Slurry Properties:

	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	11.4	2.61	17.77
Slurry 2	13.5	1.27	5.72

Casing Equipment:

- 7", 8R, ST&C
 - 1 Float Shoe (autofill with minimal LCM in mud)
 - 1 Float Collar (autofill with minimal LCM in mud)
 - 1 Top Rubber Plug
 - 1 Thread Lock Compound
-