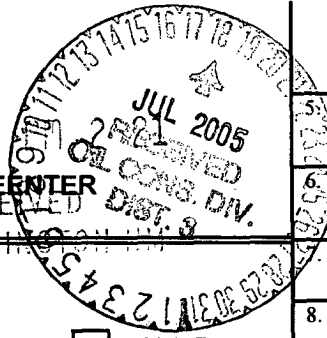


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007



5. Lease Serial No. <b>NM - 010989</b>	
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No.	
8. Lease Name and Well No. <b>Fields A 20 S</b>	
9. API Well No. <b>30-045-33164</b>	
10. Field and Pool, or Exploratory <b>Basin Fruitland Coal</b>	
11. Sec., T., R., M., or Blk. and Survey or Area <b>T 25 T 32N R 11W</b>	
12. County or Parish <b>SAN JUAN</b>	13. State <b>NM</b>
14. Distance in miles and direction from the nearest town or post office* <b>13.8 MILES NORTH FROM AZTEC</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) <b>980'</b>	16. No. of acres in lease <b>320</b>
17. Spacing Unit dedicated to this well <b>320 E/P</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>100'</b>	19. Proposed Depth <b>2935'</b>
20. BLM/ BIA Bond No. on file <b>WY2924</b>	
21. Elevations (Show whether DF, RT, GR, etc.) <b>6227 GR</b>	22. Approximate date work will start* <b>9/15/2005</b>
	23. Estimated duration <b>3 DAYS</b>

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 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 a authorized officer. |

25. Signature <i>Cherry Hlava</i>	Cherry Hlava	Date <b>6/8/2005</b>
Title <b>Regulatory Analyst</b>		

Approved By (Signature) <i>Jim Lovato</i>	Name (Printed/ Typed) <b>Jim Lovato</b>	Date <b>7/15/05</b>
Title <b>Acting Field Manager - Minerals</b>		

Application approval does not warrant or certify that 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 page 2)

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 30045-33164		2 Pool Code 716 29		3 Pool Name Basin Fruitland Coal	
4 Property Code 000511		5 Property Name Fields A			6 Well Number # 20S
7 OGRID No. 778		8 Operator Name BP AMERICA PRODUCTION COMPANY			9 Elevation 6227

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
I	25	32 N	11 W		1550	SOUTH	980	EAST	SAN JUAN

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
12 Dedicated Acres 320		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

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  
 4-28-05  
 Date

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.*

April 12, 2005  
 Date of Survey

Signature and Seal of Professional Surveyor  
  
 7016  
 Certificate Number



**Additional Operator Remarks**  
**Fields A 20S**  
**APD**

**Notice of Staking was submitted on 05/02/05.**

**Please note the well is staked on an existing Fields A 2A well pad.**

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 2935' and complete into the Basin Fruitland Coal.

If terrain allows it is our intent to pre-set the 9 5/8" casing on the above mentioned well by drilling a surface hole with air/air mist in lieu of drilling mud and the surface casing be cemented with 94.5 cu/ft type I-II, 20% FLYASH, 14.5 PPG, 7.41 gal/sk, 1.61 cf/sk Yield, 80 DEG BHST ready mix cement. If the area will not allow for pre-set the approved cement program will be followed.

**SUPPLEMENTAL TO SURFACE USE PLAN**

**New Facilities:**

A 4.5" diameter buried steel pipeline that is +/- 200 feet in length will be constructed. The pipe wall thickness is .156 and the pipe wall strength is 42,000#. It will be adjacent to the access road and tie the well into an existing gas meter operated by BP America Production Company. The pipeline will not be used to transport gas to drill the well. After the well is spud the pipeline will be authorized by a right-of-way issued by El Paso Field Services.

**APD/ROW**



# Cementing Program

Well Name:	Fields A #20S		
Location:	Sec 25 - 32N - 11W, 1550' FSL, 980' FEL	API No.	
County:	San Juan	Well Flac	
State:	New Mexico	Formation:	Fruitland Coal
		KB Elev (est)	6238
		GL Elev. (est)	6227

### 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	200	13.5	9.625	ST&C	Surface	NA	
Production -	2734	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	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
0 - SCP	Water/Spud	8.6-9.2	<20	<10
SCP - TD	Water/LSND	8.6-9.2	Fluid Loss	<6
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.	FreshWater	
Slurry 1	154 sx Class G Cement		195 cuft
TOC@Surface	+ 2% CaCl2 (accelerator)		
			0.4887 cuft/ft OH

### Slurry Properties:

	Density (lb/gal)	Yield (ft <sup>3</sup> /sk)	Water (gal/sk)
Slurry 1	15.2	1.27	5.8

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

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**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 single 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 Fruitland. No abnormal temperature, pressure, or H<sub>2</sub>S anticipated.

**Equipment Specification**

**Interval**

**BOP Equipment**

Below conductor casing to total depth 11" nominal or 7 1/16", 2000 psi Single ram preventer with 3000 psi annular preventer and rotating head.

All ram type and annular preventers as well as related control equipment will be hydraulically tested to 250 psi (low pressure) and 1500 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.

# BP American Production Company

## Well Control Equipment Schematic

