

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 6/2/14

Application Type:

☐ P&A ☐ Drilling/Casing Change ☒ Recomplete/DHC
☐ Location Change ☐ Other:

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-27761-00-00	FIELDS A	021	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	L	25	32	N	11	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

File C-104 and completion report before returning well to production

NMOCD Approved by Signature

6/12/14
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: COAL BED METHANE		5. Lease Serial No. NMNM010989
2. Name of Operator BP AMERICA PRODUCTION CO. Contact: TOYA COLVIN E-Mail: Toya.Colvin@bp.com		6. If Indian, Allottee or Tribe Name
3a. Address 501 WESTLAKE PARK BLVD. RM 4.423B HOUSTON, TX 77079	3b. Phone No. (include area code) Ph: 281-366-7148	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T32N R11W NWSW 1330FSL 1150FWL 36.988920 N Lat, 107.998120 W Lon		8. Well Name and No. FIELDS A 21
		9. API Well No. 30-045-27761-00-S1
		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
		11. County or Parish, and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BP America Production Company requests permission to re-perforate the Fruitland Coal zone and return the subject well to production. Please see attached procedure, wellbore schematics and C-102 plat.

OIL CONS. DIV DIST. 3

JUN 09 2014

14. I hereby certify that the foregoing is true and correct. Electronic Submission #247803 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO., sent to the Farmington Committed to AFMSS for processing by JIM LOVATO on 06/04/2014 (14JXL0141SE)	
Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/02/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>JIM LOVATO</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>06/04/2014</u>
Conditions of approval, if any, are attached. Approval of this notice 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.		Office <u>Farmington</u>

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCDA

Revisions to Operator-Submitted EC Data for Sundry Notice #247803

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	WRK NOI	WRK NOI
Lease:	NMNM010989	NMNM010989
Agreement:		
Operator:	BP AMERICA PRODUCTION COMPANY 501 WESTLAKE PARK BLVD. RM 4.42B HOUSTON, TX 77079 Ph: 281-366-7148	BP AMERICA PRODUCTION CO. 501 WESTLAKE PARK BLVD. RM 4.423B HOUSTON, TX 77079 Ph: 281-366-7148
Admin Contact:	TOYA COLVIN REGULATORY ANALYST E-Mail: Toya.Colvin@bp.com Ph: 281-366-7148	TOYA COLVIN REGULATORY ANALYST E-Mail: Toya.Colvin@bp.com Ph: 281-366-7148
Tech Contact:	TOYA COLVIN REGULATORY ANALYST E-Mail: Toya.Colvin@bp.com Ph: 281-366-7148	TOYA COLVIN REGULATORY ANALYST E-Mail: Toya.Colvin@bp.com Ph: 281-366-7148
Location:		
State:	NM	NM
County:	SAN JUAN	SAN JUAN
Field/Pool:	FRUITLAND COAL	BASIN FRUITLAND COAL
Well/Facility:	FIELDS A 21 Sec 25 T32N R11W NWSW 1330FSL 1150FWL 36.952740 N Lat, 107.946898 W Lon	FIELDS A 21 Sec 25 T32N R11W NWSW 1330FSL 1150FWL 36.988920 N Lat, 107.998120 W Lon

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate
District Office

☐ AMENDED REPORT
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-27761	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 000511	⁵ Property Name Fields A	⁶ Well Number 21
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6323

¹⁰ Surface Location

UL or lot no. L	Section 25	Township 32N	Range 11W	Lot Idn	Feet from the 1330	North/South line South	Feet from the 1150	East/West line West	County San Juan
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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
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¹² Dedicated Acres 320	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 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
	Signature <u>Tova Colvin</u> Date <u>4/02/14</u> Tova Colvin Printed Name Tova.Colvin@bp.com E-mail Address	
	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.	
Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number		



Fields A-21

30-045-27761

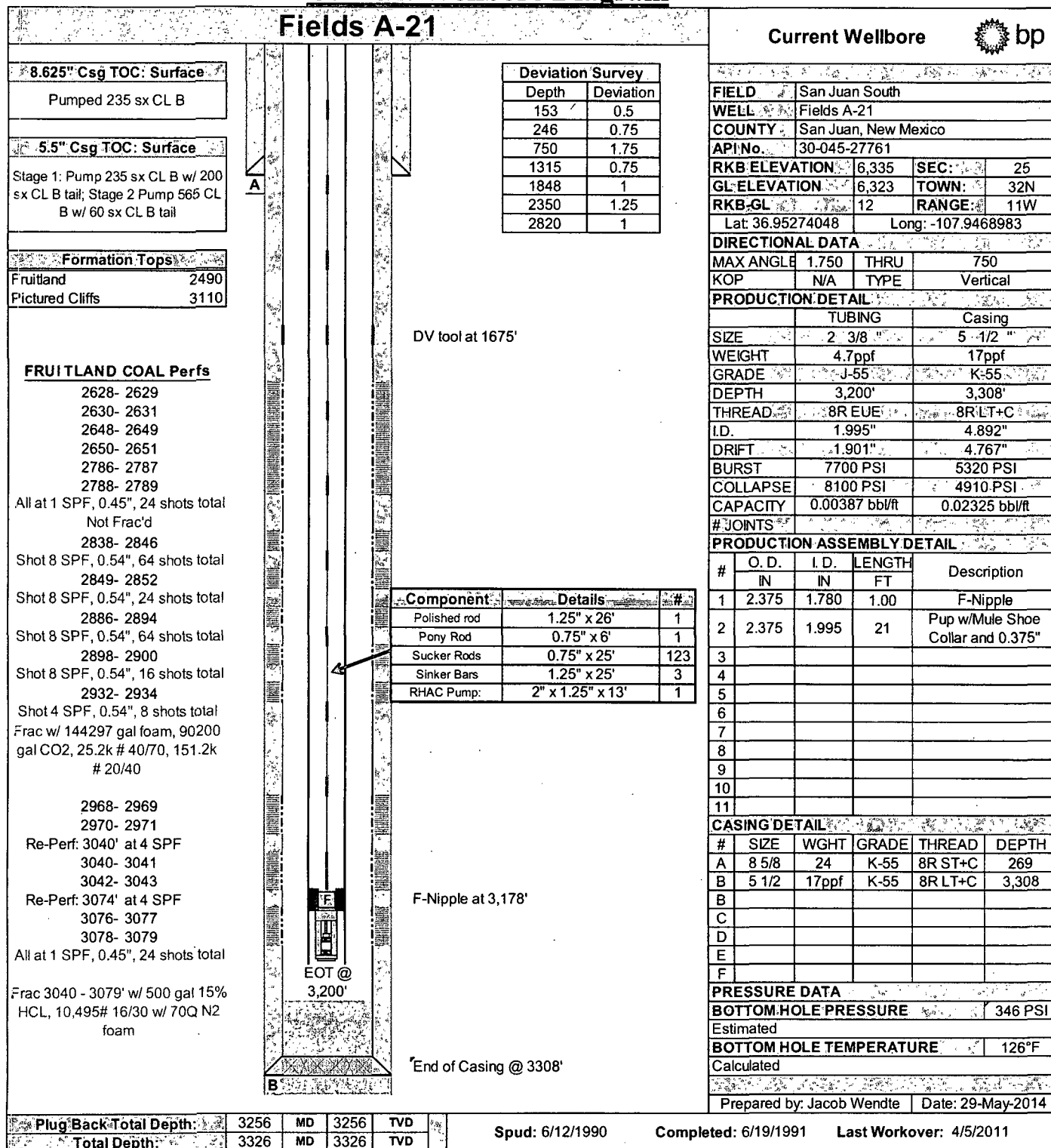
Unit letter L Sec 25, Town 32N, Range 11W
San Juan, NM
Fruitland Coal Formation

The purpose of this procedure is to outline the re-perforation of the Fruitland Coal Formation in the Fields A-21

Basic Job Procedure:

1. Pull rods
2. Pull tubing
3. Perforate 3063' - 3083' at 4 SPF
4. Acidize wellbore as necessary
5. Cleanout to PBTD
6. Land tubing at $\pm 3,140'$
7. Run pump and rods

Current Wellbore Diagram



Proposed Wellbore Diagram

Fields A-21

Proposed Wellbore 

FIELD	San Juan South		
WELL	Fields A-21		
COUNTY	San Juan, New Mexico		
API No.	30-045-27761		
RKB ELEVATION	6,335	SEC:	25
GL ELEVATION	6,323	TOWN:	32N
RKB-GL	12	RANGE:	11W
Lat: 36.95274048		Long: -107.9468983	

DIRECTIONAL DATA			
MAX ANGLE	1.750	THRU	750
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL			
	TUBING		Casing
SIZE	2 3/8"		5 1/2"
WEIGHT	4.7ppf		17ppf
GRADE	J-55		K-55
DEPTH	3,140'		3,308'
THREAD	8R EUE		8R LT+C
ID.	1.995"		4.892"
DRIFT	1.901"		4.767"
BURST	7700 PSI		5320 PSI
COLLAPSE	8100 PSI		4910 PSI
CAPACITY	0.00387 bb/ft		0.02325 bb/ft
# JOINTS			

PRODUCTION ASSEMBLY DETAIL				
#	O. D. IN	I. D. IN	LENGTH FT	Description
1	2.375	1.780	1.00	F-Nipple
2	2.375	1.995	21	Pup w/Mule Shoe Collar and 0.375"
3				
4				
5				
6				
7				
8				
9				
10				
11				

CASING DETAIL					
#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	8 5/8	24	K-55	8R ST+C	269
B	5 1/2	17ppf	K-55	8R LT+C	3,308
C					
D					
E					
F					

PRESSURE DATA	
BOTTOM HOLE PRESSURE	346 PSI
Estimated	
BOTTOM HOLE TEMPERATURE	126°F
Calculated	

Prepared by: Jacob Wendle Date: 29-May-2014

8.625" Csg TOC: Surface	
Pumped 235 sx CL B	

5.5" Csg TOC: Surface	
Stage 1: Pump 235 sx CL B w/ 200 sx CL B tail; Stage 2 Pump 565 CL B w/ 60 sx CL B tail	

Formation Tops	
Fruitland	2490
Pictured Cliffs	3110

Deviation Survey	
Depth	Deviation
153	0.5
246	0.75
750	1.75
1315	0.75
1848	1
2350	1.25
2820	1

FRUITLAND COAL Perfs

2628- 2629
2630- 2631
2648- 2649
2650- 2651
2786- 2787
2788- 2789
All at 1 SPF, 0.45", 24 shots total
Not Frac'd
2838- 2846
Shot 8 SPF, 0.54", 64 shots total
2849- 2852
Shot 8 SPF, 0.54", 24 shots total
2886- 2894
Shot 8 SPF, 0.54", 64 shots total
2898- 2900
Shot 8 SPF, 0.54", 16 shots total
2932- 2934
Shot 4 SPF, 0.54", 8 shots total
Frac w/ 144297 gal foam, 90200 gal CO2, 25.2k # 40/70, 151.2k # 20/40
2968- 2969
2970- 2971
Re-Perf: 3040' at 4 SPF
3040- 3041
3042- 3043
Re-Perf: 3074' at 4 SPF
3076- 3077
3078- 3079
All at 1 SPF, 0.45", 24 shots total
Frac 3040 - 3079' w/ 500 gal 15% foam
HCL, 10,495# 16/30 w/ 70Q N2
foam
RE-PERF - 3,063'-3083
All at 4 SPF, 80 shots total

DV tool at 1675'

Component	Details	#
Polished rod	1.25" x 26'	1
Sucker Rods	0.75" x 25'	±121
Sinker Bars	1.25" x 25'	3
Shear Tool	21k Jaw Style	1
Pony Rod	0.875" x 4'	1
RHAC HVR Pump	2" x 1.25" x 13'	1

F-Nipple at 3,118'

EOT @
3,140'

End of Casing @ 3308'

Plug Back Total Depth:	3256	MD	3256	TVD
Total Depth:	3326	MD	3326	TVD

Spud: 6/12/1990

Completed: 6/19/1991

Last Workover: 4/5/2011