

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
30-045-27761

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.
Federal Lease

7. Lease Name or Unit Agreement Name

Fields A

8. Well Number
21

9. OGRID Number
000778

10. Pool name or Wildcat
Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO ABANDON OR PERFORATE TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT TO DRILL OR PERFORATE" FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator
BP America Production Company

3. Address of Operator
501 Westlake Park Blvd.
Houston, TX 77079

4. Well Location

Unit Letter L: 1330 feet from the South line and 1150 feet from the West line
Section 25 Township 32N Range 11W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6323'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☒
OTHER: Reperforate ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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

BLM has been notified via 3160-5 form for Federal Lease # NMNM010989

Spud Date:

06/12/1990

Rig Release Date:

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

SIGNATURE Toya Colvin TITLE Regulatory Analyst DATE 06/02/2014

Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-366-7148

For State Use Only

APPROVED BY: Webster TITLE Deputy Oil & Gas Inspector, District #3 DATE 6/12/14

Conditions of Approval (if any):

* File C-104 And completion report before returning to production



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

Policy Reminder

~~Any changes to the written procedure requires an approved MoC
MoC (except BoD/SoR) approvals during execution have been delegated to the OPL~~

Current Wellbore Diagram

Fields A-21

Current 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	3,200'	3,308'
THREAD	8R EUE	8R LT+C
I.D.	1.995"	4.892"
DRIFT	1.901"	4.767"
BURST	7700 PSI	5320 PSI
COLLAPSE	8100 PSI	4910 PSI
CAPACITY	0.00387 bbl/ft	0.02325 bbl/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
B					
C					
D					
E					
F					

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

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

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

DV tool at 1675'

Component	Details	#
Polished rod	1.25" x 26'	1
Pony Rod	0.75" x 6'	1
Sucker Rods	0.75" x 25'	123
Sinker Bars	1.25" x 25'	3
RHAC Pump	2" x 1.25" x 13'	1

F-Nipple at 3,178'

End of Casing @ 3308'

8.625" Csg TOC: Surface
Pumped 235 sx CL B

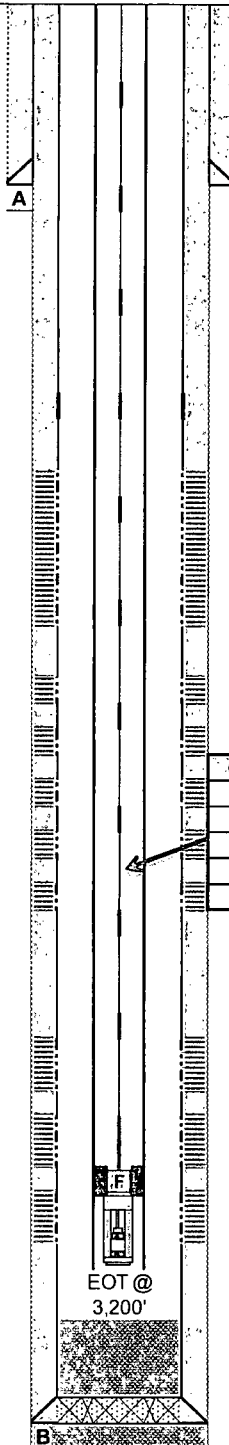
5.5" Csg TOC: Surface
Stage 1: Pump 235 sx CL B w/ 200
sx CL B tail; Stage 2 Pump 565 CL
B w/ 60 sx CL B tail

Formation Tops	
Fruitland	2490
Pictured Cliffs	3110

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%
HCL, 10,495# 16/30 w/ 70Q N2
foam



Plug Back Total Depth:	3256	MD	3256	TVD		Spud: 6/12/1990	Completed: 6/19/1991	Last Workover: 4/5/2011
Total Depth:	3326	MD	3326	TVD				

Proposed Wellbore Diagram

Fields A-21

Proposed Wellbore



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

FRUITLAND COAL Perfs

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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%
HCL, 10.495# 16/30 w/ 70Q N2
foam
RE-PERF - 3,063'-3083
All at 4 SPF, 80 shots total

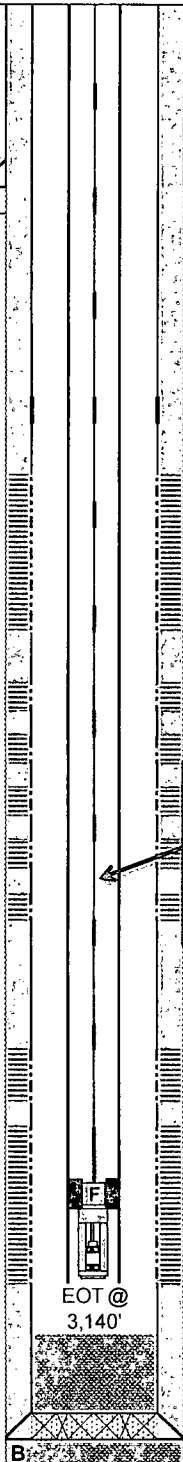
Deviation Survey	
Depth	Deviation
153	0.5
246	0.75
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1315	0.75
1848	1
2350	1.25
2820	1

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'

'End of Casing @ 3308'



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**
I.D.: 1.995" **4.892"**
DRIFT: 1.901" **4.767"**
BURST: 7700 PSI **5320 PSI**
COLLAPSE: 8100 PSI **4910 PSI**
CAPACITY: 0.00387 bbl/ft **0.02325 bbl/ft**

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

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Spud: 6/12/1990

Completed: 6/19/1991

Last Workover: 4/5/2011

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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

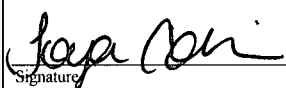
¹⁰ Surface Location

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
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.

¹⁶						¹⁷ OPERATOR CERTIFICATION <i>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.</i>  4/02/14 Signature Date Toya Colvin Printed Name Toya.Colvin@bp.com E-mail Address
						¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number