

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary

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

**David R. Catanach, 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:  
Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-25573-00-00	CHILDERS	001E	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	B	1	31	N	11	W

Application Type:

- P&A   
  Drilling/Casing Change   
  Location Change  
 Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)  
 Other: re-perforate and frac

Conditions of Approval:

If the perforations extend down past the existing perforations at 7325 a new completion report and C-104 will be required.

NMOCD Approved by Signature

8/31/15  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.*

5. Lease Serial No.  
NMSF078040

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
CHILDERS 1E

9. API Well No.  
30-045-25573-00-S1

10. Field and Pool, or Exploratory  
BASIN DAKOTA

11. County or Parish, and State  
SAN JUAN COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
BP AMERICA PRODUCTION CO. Contact: TOYA COLVIN  
E-Mail: Toya.Colvin@bp.com

3a. Address  
200 ENERGY CT.  
FARMINGTON, NM 87401

3b. Phone No. (include area code)  
Ph: 281.366.7148

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 1 T31N R11W NWNE 1100FNL 1750FEL  
36.931549 N Lat, 107.938049 W Lon

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 respectfully requests to re-perforate and hydraulically fracture the subject well in the Dakota formation.

Please see the attached procedure including wellbore diagrams and C-102 plat.

**OIL CONS. DIV DIST. 3**

**AUG 12 2015**

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #311810 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION CO., sent to the Farmington  
Committed to AFMSS for processing by JACK SAVAGE on 08/07/2015 (15JWS0002SE)**

Name (Printed/Typed) TOYA COLVIN Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/06/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By JACK SAVAGE Title PETROLEUM ENGINEER Date 08/07/2015

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 Farmington

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 \*\***



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**

<sup>1</sup> API Number <b>30-045-25573</b>		<sup>2</sup> Pool Code <b>71599</b>		<sup>3</sup> Pool Name <b>Basin Dakota</b>	
<sup>4</sup> Property Code <b>000372</b>		<sup>5</sup> Property Name <b>Childers</b>			<sup>6</sup> Well Number <b>1E</b>
<sup>7</sup> OGRID No. <b>000778</b>		<sup>8</sup> Operator Name <b>BP America Production Company</b>			<sup>9</sup> Elevation <b>6065</b>

<sup>10</sup> Surface Location

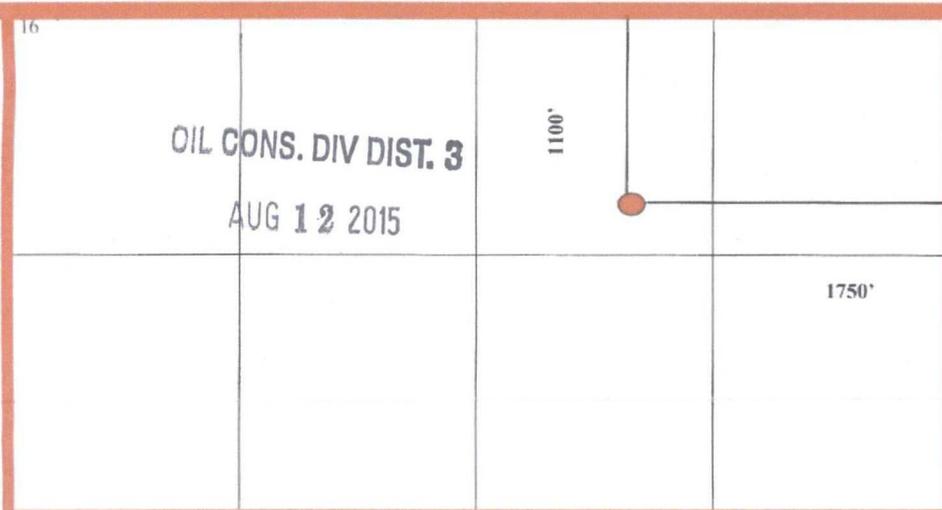
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>B</b>	<b>1</b>	<b>31N</b>	<b>11W</b>		<b>1100</b>	<b>North</b>	<b>1750</b>	<b>East</b>	<b>San Juan</b>

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres <b>320.59</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.



<sup>17</sup> **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.

*Tova Colvin* 8/06/15  
Signature Date

Tova Colvin  
Printed Name

Tova.Colvin@bp.com  
E-mail Address

<sup>18</sup> **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

## **Childers 001E**

API # 30-045-25573-00

Location: B SEC. 01, T31N, R11W

San Juan County, New Mexico

### **Reason/Background for Job**

The Childers 001E is a Dakota well that was drilled and completed in 1983. Both stages of the original stimulation on the Dakota screened out, and as a result, the well has had limited success compared to offset wells.

It is proposed to perforate and hydraulically fracture the Dakota formation. Expected production rates are 105 MCFD and 2 BWPD.

### **Basic Job Procedure**

1. Pull tubing
2. Clean out to PBTD of 7368'
3. Perforate the Dakota from 7215' – 7327'
4. Fracture stimulate the Dakota
5. Unset packer(s) and pull tubing
6. Drill out composite plug(s)
7. Clean out to PBTD
8. Run tubing and production BHA
9. Return well to production

# Current WBD



GL: 6281'

**Childers 001E**  
 DK  
 API # 30-045-25573  
 Unit B - Sec. 01 - T31N - R11W  
 San Juan, NM

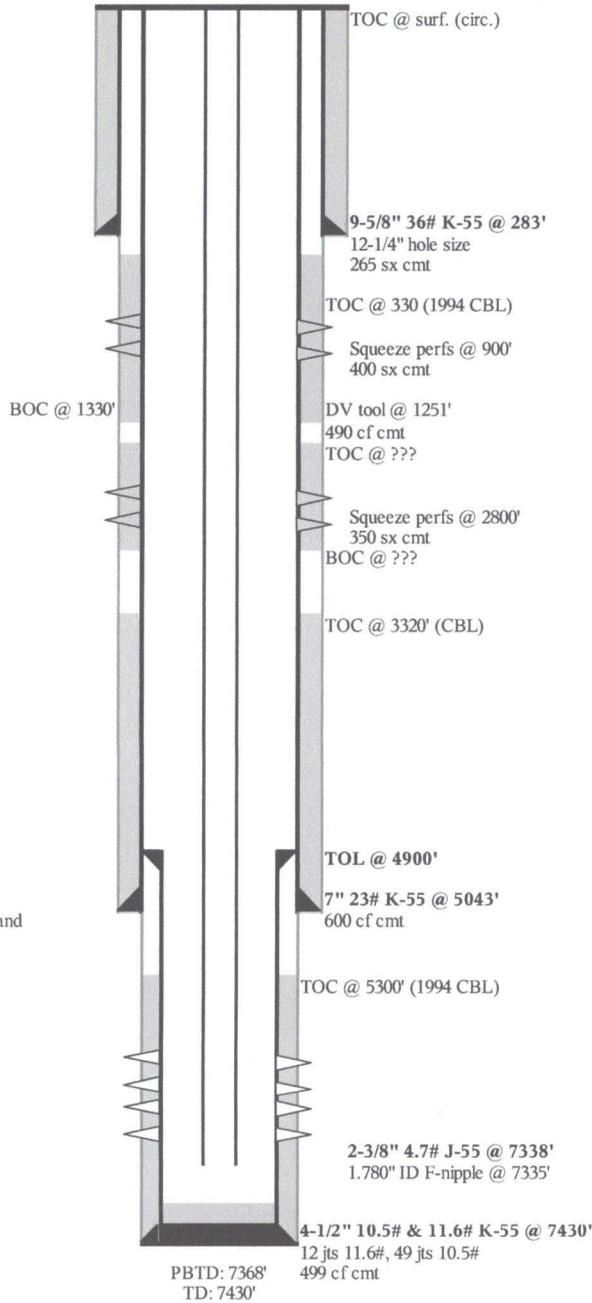
**Formation Tops**

Ojo Alamo	1110
Kirtland	1240
Fruitland	2400
Pictured Cliffs	2850
Lewis	2940
Cliff House	4560
Menefee	4710
Point Lookout	5066
Mancos	5400
Gallup	6400
Greenhorn	7100
Graneros	7150
Dakota	7214

**Dakota Perforations**

7215' - 7234' 2 jspf  
 Acidized w/ 800 gal 15% HCl  
 Frac'd w/ 18k gal 30# XL gel & 4800# 20/40 sand  
 Frac screened out

7300' - 7325' 2 jspf  
 Acidized w/ 1000 gal 15% HCl  
 Frac'd w/ 40# XL gel & 40k# 20/40 sand  
 Frac screened out



**Deviation Survey**

Depth	Incl.
290	1.00
790	1.00
1291	1.25
1824	1.50
2326	0.75
2952	1.00
3452	1.25
3762	0.75
4264	1.00
4445	0.75
6472	2.50
6510	3.00
6620	0.75
6765	2.00
6890	2.25
6975	1.75
7131	1.75
7430	1.75

# Proposed WBD



GL: 6281'

**Childers 001E**  
 DK  
 API # 30-045-25573  
 Unit B - Sec. 01 - T31N - R11W  
 San Juan, NM

**Formation Tops**

Ojo Alamo	1110
Kirtland	1240
Fruitland	2400
Pictured Cliffs	2850
Lewis	2940
Cliff House	4560
Menefee	4710
Point Lookout	5066
Mancos	5400
Gallup	6400
Greenhorn	7100
Graneros	7150
Dakota	7214

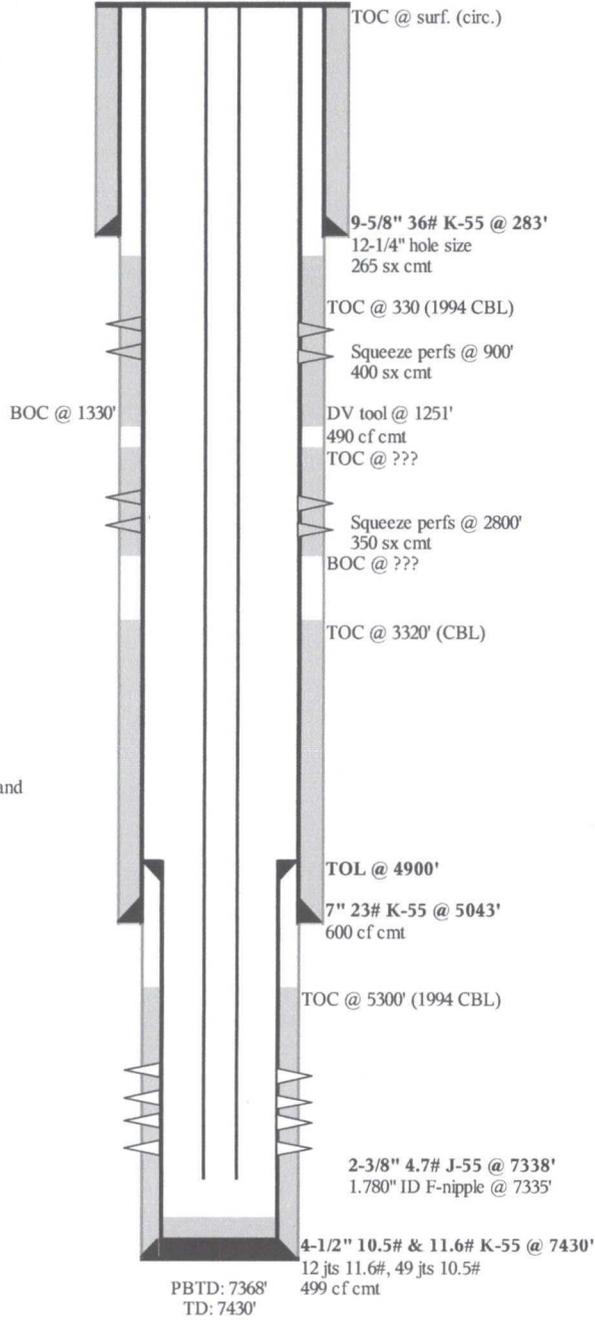
**Dakota Perforations**

7215' - 7234' 2 jspf  
 Acidized w/ 800 gal 15% HCl  
 Frac'd w/ 18k gal 30# XL gel & 4800# 20/40 sand  
 Frac screened out

7300' - 7325' 2 jspf  
 Acidized w/ 1000 gal 15% HCl  
 Frac'd w/ 40# XL gel & 40k# 20/40 sand  
 Frac screened out

7215' - 7266'  
 Frac'd in stage 2, 2015

7298' - 7327'  
 Frac'd in stage 1, 2015



**Deviation Survey**

Depth	Incl.
290	1.00
790	1.00
1291	1.25
1824	1.50
2326	0.75
2952	1.00
3452	1.25
3762	0.75
4264	1.00
4445	0.75
6472	2.50
6510	3.00
6620	0.75
6765	2.00
6890	2.25
6975	1.75
7131	1.75
7430	1.75