

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.*5. Lease Serial No.
NMSF078387A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
KERNAGHAN B 69. API Well No.
30-045-27339-00-S110. Field and Pool, or Exploratory
BASIN FRUITLAND COAL11. County or Parish, and State
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE2. Name of Operator Contact: TOYA COLVIN
BP AMERICA PRODUCTION CO. E-Mail: Toya.Colvin@bp.com3a. Address
501 WESTLAKE PARK BLVD. RM 4.423B
HOUSTON, TX 770793b. Phone No. (include area code)
Ph: 281-366-7148

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T31N R8W NWNE 1280FNL 1800FEL
36.872467 N Lat, 107.695068 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 checked="" 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 type="checkbox"/> Other
	<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 permission to deepen the subject well. Please see attached procedure, wellbore diagrams, and C-102 plat.

In accordance with NMOCD Pit Rule 19.15.17.9 NMAC, BP America Production Company will use a closed-loop system during operations.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #248618 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 06/12/2014 (14JXL0145SE)

Name (Printed/Typed) TOYA COLVIN

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/06/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JIM LOVATO

Title PETROLEUM ENGINEER

Date 06/12/2014

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 ****

NMOCD



Kernaghan B6

Coal

API # 30-045-27339-00

Unit B - Sec 29 - T31N - R08W

San Juan County, New Mexico

Reason/Background for Job

The proposed work is to deepen the Kernaghan B 006 to provide additional rathole to effectively produce the Fruitland Coal formation

Basic job procedure

1. Pull rods & pump
2. Pull tubing
3. Pull liner
4. Deepen well to 3530' \pm (estimated base of Pictured Cliffs Sandstone – 3548'; estimated top of Lewis – 3700')
5. Run liner – either pre-slotted or perforate after installation – similar intervals as before; liner might be run with bit and sub on bottom
6. Run tubing at 3480' \pm
7. Run pump and rods

Current WBD



Kernaghan B6

Coal

API # 30-045-27339-00
Unit B - Sec 29 - T31N - R08W
San Juan County, New Mexico

History

06/1989 Spud in
06/1989 Complete
02/1990 Install 5 1/2", 23# P110 liner, uncemented
03/1994 Retrieve 5 1/2" liner c/o to TD;
underream 3257 - 3446' to 9 1/2"
Cavitate well several times; c/o to TD
Snub in 4 1/2" LT casing as prod tubing @ 3266'
04/1997 POH 4 1/2" prod tbg; c/o fill to TD 3446'; deepen well to
3450'; flow test; c/o to TD; RIH w/ 5 1/2" liner 3094 - 3450'
Perf liner 4 spf; RIH w/ 2 1/2" tbg; Run pump & rods
06/1999 WS - co
10/2000 Pump repair
04/2001 WS - c/o; pump repair
06/2001 WS - c/o
12/2002 Pump repair
04/2003 WS - c/o
01/2005 WS - c/o
05/2006 WS - c/o
12/2006 WS - c/o; replace pump
05/2007 WS - POH rods & pump; heavy corrosion on tubing;
pump HCl & CBMA treatment; c/o to TD
RIH 2 3/4" new tubing string, pump & rods
06/2011 WS - POH rods & pump
severe corrosion on tubing;
run scraper; acid treatment; c/o fill
RIH 2 3/4" new tubing string, pump & rods
10/2011 WS - Test tubing - Ok; POH pump
RIH w/ new pump
07/2013 WS - POH tubing; scraper run; c/o;
land tubing; run pump & rods

Formation tops (ft)

Fruitland 3181
Ignacio 3284
Cottonwood 3364
Cahn 3425
Pictured Cliffs 3461

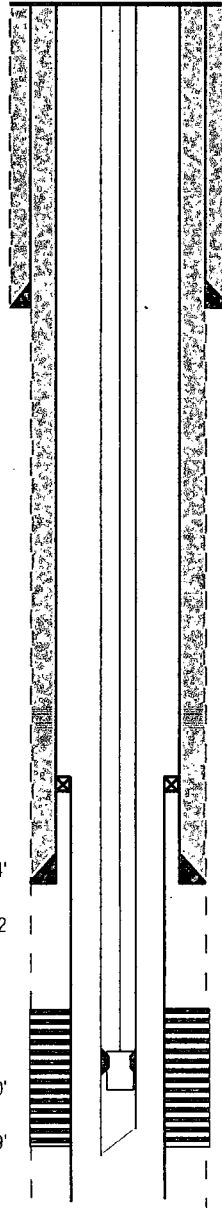
TOL @ 3094'

F Nipple @ 3422

F nipple @ 3420'

EOT @ 3439'

GL 6581'
KB 6594'



TD 3450'

Surface Casing

12 1/4" hole
9 5/8", 36#, K55 @ 309'
TOC @ surface (circ)
290 Sacks

Tubing Details

	Length (ft)
2 3/8" MS w/ 1/2" weep hole	18
F Nipple 2 3/8" x 1.78"	1
Tbg 2 3/8" 4.7 # J55, EUE, 107 jts	3356
Pup Jts 2 3/8" 4.7 # J55, EUE (10', 10')	20
Tbg 2 3/8" 4.7 # J55, EUE	31

Rod Pump Details

	Length (ft)
RHAC-Z Pump 2" x 1 1/2"	18
Sinker Bars 1 1/4" x 25', 3 jts	75
Rods 3/4" grd D, 132 jts	3300
Pony Rods 3/4" grd D (6', 8', 8')	22
Polished Rod 1 1/4"	26

Production Casing

8 1/4" hole
7", 20#, K55 @ 3250'
TOC @ surface (circ)
660 Sacks

Liner Perforations

3279 - 3294'
3318 - 3328'
3357 - 3376'
3409 - 3445'

Production Liner

6 1/4" hole; underream to 9 1/2" to 3446'
5 1/2", 17#, L80 @ 3449
uncemented

Proposed WBD



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Pictured Cliffs 3461

TOL @ 3080' ±

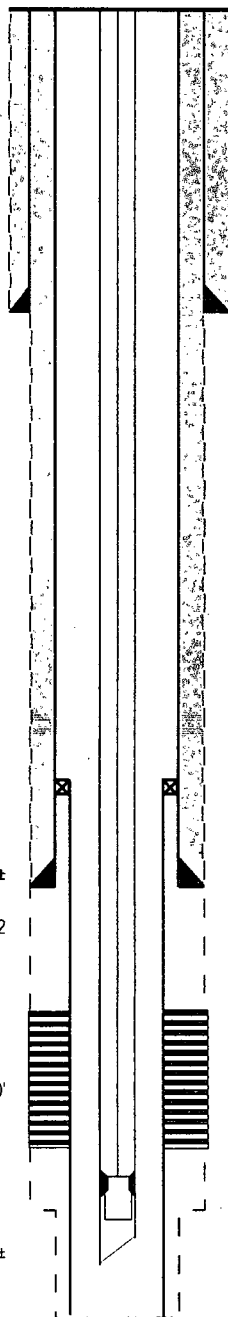
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EOT @ 3480' ±

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Tbg 2 3/4" 4.7 # J55, EUE
add pup jts for spaceout

Rod Pump Details

RHAC-Z Pump 2" x 1 1/2" x 18' ±
Sinker Bars 1 1/4" x 25', 3 jts
Rods 3/4" grd D
add pony rods for spaceout
Polished Rod 1 1/4" x 26' ±

Production Casing

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6 1/4" hole to 3446' V 3530'

TD 3530'

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 30-045-27339		² Pool Code 71629		³ Pool Name Basin Fruitland Coal	
⁴ Property Code 000766		⁵ Property Name Kernaghan B			⁶ Well Number 6
⁷ OGRID No. 000778		⁸ Operator Name BP America Production Company			⁹ Elevation 6581'

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
B	29	31N	08W		1280	North	1800	East	San Juan

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.
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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.

<div style="border: 1px solid black; padding: 5px;"> ¹⁶ </div>	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>06/06/2011</u>	
	Printed Name: <u>Tova Colvin</u>	
	E-mail Address: <u>Tova.Colvin@bpc.com</u>	
<div style="border: 1px solid black; padding: 5px;"> 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. </div>	Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ Previously Filed Certificate Number: _____	