

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 27 2016

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

## 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.

Farmington Field Office  
Bureau of Land Management

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM-09163
2. Name of Operator BHP Billiton San Juan Coal		6. If Indian, Allottee or Tribe Name
3a. Address P.O. Box 561, Water Flow, NM 87421	3b. Phone No. (include area code) 505-598-2000	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1230' FNL and 998' FEL, Sec. 19, T-30-N, R-14-W		8. Well Name and No. Humble Oil #1 aka N. Kirtland Unit #1
		9. API Well No. 30-045-09404
		10. Field and Pool, or Exploratory Area Basin Dakota/Gallup
		11. County or Parish, State San Juan, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" 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 recomple 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 recomple 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.)

Westmoreland

BHP Billiton c/o San Juan Coal Plugged and Abandoned this well per the attached report.

Underground P&amp;A marker is located at N 36° 48' 12.8" / W 108° 20' 42.3".

ACCEPTED FOR RECORD


JUN 29 2016

FARMINGTON FIELD OFFICE  
BY: 

OIL CONS. DIV DIST. 3

JUL 05 2016

Approved as to plugging  
of the well bore. Liability  
under bond is retained until  
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Eric Herth		Title Mine Geologist
Signature 		Date 05/24/2016

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ 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.	Title _____ Office _____	Date _____
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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)

# A-PLUS WELL SERVICE, INC.

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \*fax: 505-325-1211

San Juan Coal  
**Humble Oil #1 (a.k.a N. Kirtland Unit #1)**

May 14, 2016  
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1230' FNL and 998' FEL, Section 19, T-30-N, R-14-W  
San Juan County, NM  
Lease Number: NMNM-09163  
API #30-045-09404

## Plug and Abandonment Report

Notified NMOCD and BLM on 4/29/16

### Plug and Abandonment Summary:

- Plug #1** with 65 sxs (76.7 cf) Class B cement mixed with 18% salt solution in the open-hole interval from 1190' to 964' to cover the Pictured Cliffs top. WOC overnight and then tag TOC at 1020'.
- Plug #2** with 81 sxs (95.58 cf) Class B cement mixed with 18% salt solution in the open-hole interval from 1020' to 738' to cover the Fruitland coal seams #8 & #9. WOC and tag TOC at 826'.
- Plug #3** with 129 sxs (152.22 cf) Class B cement with 2% CaCl from 826' to 377' in the open-hole interval to cover the Fruitland top. WOC and then tag TOC at 500'.
- Plug #4** with 206 sxs (243.08 cf) Class B cement from 500' to surface to cover 8-5/8" shoe, circulate good cement out casing valve. WOC and found TOC at 15' down.
- Plug #5** with 8 sxs Class B cement top off 8-5/8" casing and set underground plate marker with coordinates N 36° 48' 12.8" / W 108° 20' 42.3".

### Work Details:

- 5/2/16 MOL with rig and equipment. Remove DHM. Dig out 8-5/8" casing with backhoe - 8-5/8" coupling 6" above ground level. Found cement inside 8-5/8" casing at ground level. Install an 8-5/8" x 10-5/8" wellhead, level and weld on 11" 3M flange. Back fill cellar with backhoe. NU Weatherford 11" 3M BOP. Spot in base beam and RU daylight pulling unit. Function test BOP. SI well. SDFD.
- 5/3/16 Held safety meeting. Open up well; no pressures. Function test BOP. Pick up 7-7/8" cone bit, bit sub, x-over and 1 drill collar with swivel. Mix 1 bag of soda ash and 30 sxs mud with 100 bbl. of water; properties: 39 VISC, 8.4 PPG. Establish circulation. Drill 0' to 2' then fell through. RIH more drill collars down to 115', no tag. Hang back swivel. TIH with 2.375" tubing workstring; found soft tag at 274'. Break circulation ream from 274' to 371'. Then drill from 371' to 380'; fell through. Continue to ream down to 458'. Drill and ream from 458' to 528' with sand and shale in returns. Circulate well clean. TOH with bit. SI well. SDFD.
- 5/4/16 Held safety meeting. Open up well, no pressures. TIH and soft tag at 487'. PU swivel and break circulation. Ream and drill 487' to 558' sand and shale in returns. Pump fresh water gel from 558' to 591'. Ream and drill 715' to 840', no tag 840' to 904'. Drill from 904' to 953' with coal, sand, cement and shale in returns. Circulate well clean. SI well. SDFD.
- 5/5/16 Held safety meeting. Open up well; no pressures. TIH and soft tag at 935'. PU power swivel, break circulation and wash down to 953'. Check mud properties. Drill from 953' to 997' with cement, shale and coal in returns. Circulate well clean. SI well. SDFD.

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San Juan Coal  
Humble Oil #1 (N. Kirtland Unit #1)

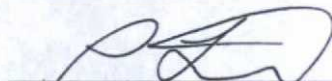
May 14, 2016  
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## Work Details:

- 5/6/16 Held safety meeting. Open up well; no pressures. TIH and tag at 997'. PU power swivel. Break circulation. Check mud properties. Drill from 997' to 1043' with cement, sand and shale in returns. Circulate well clean. SI well. SDFD.
- 5/9/16 Held safety meeting. Open up well; no pressures. TIH and soft tag at 1035'. PU swivel, break circulation and wash down to 1043'. Check mud properties. Drill from 1043' to 1060' then fell through, cement sand and shale in returns. RIH and ream down 1060' to 1675' became slower drilling with torque. Drill from 1675' to 1694'. Circulate shale out of well. Note: Eric Herth, SJC, Joe Ruybalid, BLM and Brandon Powell, NMOCD to stop attempting drill down to next plug verification. Hang back swivel. RU Jet West wireline. Ran deviation survey 1050' to surface. SI well. SDFD.
- 5/10/16 Held safety meeting. Open up well; no pressures. TIH to 1190'. **Set plug #1** with calculated TOC at 964'. TOH with tubing then LD collars. SI well. RD power swivel. SDFD.
- 5/11/16 Held safety meeting. Open up well; no pressures. TIH and tag plug #1 TOC at 1020'. **Set plug #2** with calculated TOC at 738'. SI well. SDFD.
- 5/12/16 Held safety meeting. Open up well; no pressures. Function test BOP. TIH and tag plug #2 TOC at 826'. **Set plug #3** with calculated TOC at 377'. TOH and LD tubing. SI well and WOC. TIH and tag plug #3 TOC at 500'. **Set plug #4** with TOC at surface. TOH and LD all tubing. SI well. SDFD.
- 5/13/16 Held safety meeting. Open up well; no pressures. Found cement in 8-5/8" casing at 15'. ND BOP and casing head. Dig out wellhead with backhoe. Write Hot Work Permit. Cut off 8-5/8" casing. **Set plug #5** top off 8-5/8" casing and set underground plate marker with coordinates N 36° 48' 12.8" / W 108° 20' 42.3". RD and MOL.

Joe Ruybalid, BLM representative was on location.

I hereby certify that the foregoing is true and correct



Phillip Fitzpatrick  
Field Supervisor  
A-Plus Well Service, Inc.

Date: May 17, 2016