

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.
NMSF076337

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.
W D HEATH B 59. API Well No.
30-045-20970-00-S110. Field and Pool, or Exploratory
BLANCO PICTURED CLIFFS11. 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: CHERRY HLAVA

E-Mail: hlavacl@bp.com

3a. Address

HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281-366-4081

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

Sec 31 T30N R9W SESW 0835FSL 1110FWL
36.76344 N Lat, 107.82295 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 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 recomplete 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 recompletion 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 has evaluated the above mentioned well and determined there is no further economic potential.

BP respectfully requests permission to P&A the entire wellbore. Please see attached plugging procedure.

**H₂S POTENTIAL EXIST****SEE ATTACHED FOR
CONDITIONS OF APPROVAL****RCVD NOV 9 '09
OIL CONS. DIV.
DIST. 3**

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

**Electronic Submission #76467 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by STEVE MASON on 11/03/2009 (10SXM0020SE)**

Name (Printed/Typed) CHERRY HLAVA

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/29/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON

Title PETROLEUM ENGINEER

Date 11/03/2009

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 ******NMOC**



**BP - SJ Basin Proposed P&A Procedure
30-045-20970**

Well Name: W D Heath B5
Date: October 28, 2009
Location: Sec 31 T30N R09W
Engineer: Matt Mientka (Phone 281.366.5721)

Objective: Plug and Abandon PC well due to poor economics and future compliance risk.


1. Pull 1 1/4" production string.
2. Log 4 1/2" with CBL, locate Top of Cement.
3. Spot cement plugs across gas and fresh water zones.
4. Cement top of 4 1/2" ca

casing in the Pictured Cliffs formation. The well was frac'd with gas (LPG and CO₂), but required a re-frac'd a year later. 1 1/4" tubing is landed @ 2260'. No other workovers have been completed in this wellbore. The well is currently not producing and cannot overcome line pressure. The well will not economically produce at this time, it is a compliance issue, and as a result will need to be plugged and abandoned.

Rig-work Procedure:

1. Hold pre-job safety meeting and discuss JSA with everyone on location.
2. Check and record casing pressure and bradenhead pressures. Check gas for H₂S content and treat if the concentration is > or equal to 10 ppm. Notify engineer if Bradenhead pressures exist.
3. Insure double casing valves are installed. Blow down well. Load well with inhibited (2% KCl or equivalent clay stabilizer, biocide, and H₂S inhibitor) water.
4. ND wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank.
5. Lubricate tubing hanger to rig floor. Install stripping rubber for 1 1/4" 2.4# J-55 tubing (1.66" OD EUE) and POOH.
6. Notify BLM and NMOCD 24 hrs before beginning P&A process to ensure scheduling of personnel to witness casing pressure testing, CBL results and cement placement. Also, notify and get a verbal approval for the Close-Loop permit.
7. Pick up and RIH with 1 1/4" tubing (or similar work string) and casing scraper for 4 1/2" casing. Run scraper to ~2300'. POOH
8. Pick up plug and setting tool and RIH and set CIBP for 4 1/2" casing @ +/- 2275'. Load hole with treated water and test casing to 500 psi. Contact engineering and discuss picking up packer and locating holes if casing does not pass test

9. Run CBL from CIBP' to surface. Find TOC behind 4 1/2" and contact engineer to discuss any remedial cement squeeze work.
10. RIH with open-ended workstring to CIBP @ ~2275'. Pump and displace ~~~22.8~~^{188.3} cu. ft of G-Class cement from 2275' to ~~2075~~¹²⁵⁸'. This will isolate the Pictured Cliffs and Fruitland formations with a 200' plug + ~50' excess and a mechanical barrier. WOC.
11. RIH with open-ended work string to ~~1400~~¹³⁵⁰'. Pump and displace ~~~22.8~~^{10.3} cu. ft of G-Class cement from 1400' to ~~1200~~¹²⁵⁸'. This will isolate the Ojo Alamo formation with a ~~200~~²⁷⁸' plug and ~50' excess. WOC
12. If necessary, due to poor cement behind pipe, POOH with 1 1/4" workstring laying down tubing. RU wireline w/ Deep firing perforating gun with 120 or 90 degree phasing, and RIH to TOC behind 4 1/2" and perforate @ ~~255~~²⁷⁸'.
278
13. Establish injection rate down casing. Once injection rate has been established attempt to pump cement to surface behind 4 1/2" casing Pump excess cement as necessary. A cement plug from ~~255~~²⁷⁸' is needed to protect the Nacimiento and surface fresh water zones.
278
14. Remove wellhead and rig up 1" line, pump cement necessary to top off cement in annulus and inside 4 1/2" casing. Place P&A marker. Reclaim location.



WELL NAME: W D Heath B5 LOCATION: 835' FNL 1110' FEL SEC/TWN/RNG Sec 31 T30N R9W COUNTY, ST: San Juan Co., NM WELL TYPE: Gas BP WI: 100.0% NRI: 85.8% <table border="1" style="width: 100%;"> <tr> <td>BCPD</td> <td>BWPD</td> <td>MCFD</td> </tr> <tr> <td></td> <td></td> <td>1,259</td> </tr> </table> MV IP	BCPD	BWPD	MCFD			1,259	SPUD DATE: 06/05/72 RIG REL: COMP DATE: 07/14/72 FORMATION: Pictured Cliffs API#: 30-045-20970
BCPD	BWPD	MCFD					
		1,259					

SURFACE CASING DESIGN

8 5/8" K-55 20#/ft

SET @ 228'

1st Stg CEMENT 200 sx Type 'A' w/ 2% CaCl

TAIL IN W/

TOC Surface

Det. By Circulated

PRODUCTION CASING DESIGN

4 1/2" 9 5#

SET @ 2409'

CEMENT W/ 550 sx 50-50 poz Class 'C' w/ 6% gel and 2 lbs/sk Tuf Plug

TAIL IN W/ 100 sx Class 'C' Neat

CMT TOP @ Surface

DETER. BY Circulated

PERF. DATA:

	SPF	FORM.
2301' - 2308'	1	PC
2314' - 2340'	1	PC

TUBING DATA

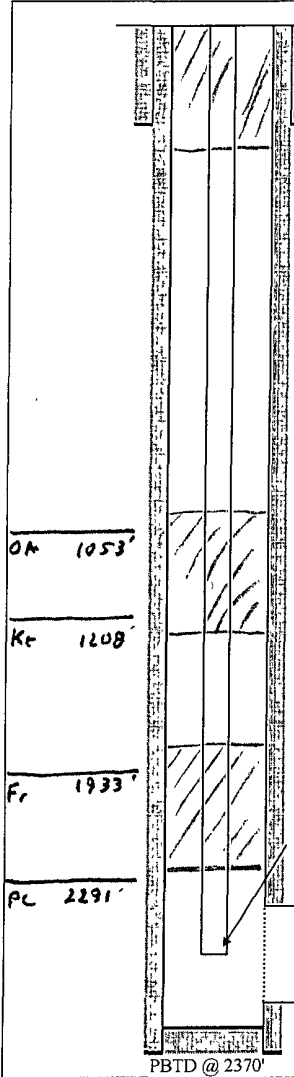
1 1/4"

SET @ 2240'

PACKER

S.N ID / @

W D Heath B5



GL 5734'
KB

8 5/8" 23# H-40 Csg @ 228'
TOC @ surf (circ.)

plug 278 - surface

 $278/90.96(1.15) = 2.16 \times 5$
 $50/4.3499(1.15) = 10.5 \times 5$
 $228/4.046(1.15) = 49.5 \times 5$
80.5 x 5

plug 1258 - 1003

 $1258 - 1003 + 50 / 10.96(1.15) = 24.5 \times 5$

plug 2275 - 1883

 $2275 - 1883 + 50 / 10.96(1.15) = 35.5 \times 5$

1 1/4" TBG
EOT @ 2260'
Retention @ 2275'

Pictured Cliffs
2301' - 2340'

4 1/2" @ 2409" w/ 650 sx
PBTD @ 2370' Circulated

FRAC JOB: (1) - PC - 1000 gal 15% HCl broke down at 2800psi
 2500 gal CO2 and 2500 LPG pre-pad, Pumped 5000 gal pad w/ CO2, LPG, and alcohol (2-3-5 Ratio) Pumped 18,368 gal of same fluid with 17000# 20-40 sand.
 Max pressure 1900psi, AVG pressure 1300psi @ 10 BPM, Min 800psi
 Re-Frac'd in 1973 w/ 10# gel, 5000# 20-40, 15,000# 10-20, 10000# 8-12 sand
 Average 1950psi @ 51 BPM

NOTES:

Prepared By: Matt Mientka
Date: 26-Oct-09

Figure 1: Current Well Schematic for the W D Heath B5

Created by Neevia Document Converter trial version <http://www.neevia.com>

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 5 WD Heath B

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Bring the top of the Pictured Cliffs/Fruitland plug to 1883'.
 - b) Place the Kirtland/Ojo Alamo plug from 1258' – 1003'.
 - c) Place the Surface plug from 278' to surface inside and if there is no cement in the 4 ½" x 8 5/8" annulus outside the 4 ½" casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.