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

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

Form C-103
Revised July 18, 2013

WELL API NO.
30-045-32491

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

7. Lease Name or Unit Agreement Name
Barnes LS

8. Well Number
7M

2. Name of Operator
BP America Production Company

9. OGRID Number
000778

3. Address of Operator
737 North Eldridge Parkway, 12.181A
Houston, TX 77079

10. Pool name or Wildcat
Basin Dakota, Blanco-Mesaverde

4. Well Location
Unit Letter E : 2445 feet from the North line and 830 feet from the West line
Section 23 Township 32N Range 11W NMPM County San Juan

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6324'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: **Casing Repair/ T&A Well**	☒		

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.

October 12, 2016- November 03, 2016: During workover operations, a retrievable bridge plug was set at 3526' in order to repair the casing above. The casing was repaired using a Bowen Packer Type Casing Patch set from 1140' to Surface (see attached specifications). Following these repairs, BP was unable to pull the retrievable plug. Notification was made to Brandon Powell 11/03/2016. As a result, BP proposes to leave the wellbore in its current state (non-producing) with the intent to P&A the well by June 30, 2017. In addition, BP will monitor intermediate casing pressure on a monthly basis.

Spud Date: 07/02/2005 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 11/07/2016

Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-892-5369

For State Use Only

APPROVED BY: Brandon Powell TITLE Deputy Oil & Gas Inspector, District #3 DATE 11/10/16

Conditions of Approval (if any): AV

General Description

The **Bowen Packer Type Casing Patch** is an external catch tool, designed to engage a previously prepared fish, pack it off, and become a permanent part of the repaired casing, pipe or tubing.

The same dependable method of engagement and release which is utilized for Bowen Overshots is employed in the Bowen Packer Type Casing Patch. This method assures positive engagement and positive seal-off from either direction. The Patch provides a permanent connection which remains rigid and leak-proof for many years, yet is positively releasable if ever the need arises.

Bowen Packer Type Casing Patches will not restrict the bore of the casing or tubing in any manner.

The Bowen Packer Type Casing Patch is composed of three outside parts and five internal parts. This simplicity of design is matched by the simple positive operation.

Use

The Bowen Packer Type Casing Patch as indicated, is used to repair a damaged casing string by replacement of the damaged section, without having to remove the entire string of casing from the hole.

Where the upper portion of a casing string becomes ruptured or disoriented from the lower portion such as by faulting or caving of the formation, crushing, rupture, or backing off, the upper portion must be removed. New casing is then replaced, the Bowen Packer Type Casing Patch forming the patching means between the old and new strings.

Construction

The Bowen Packer Type Casing Patch is constructed in the most basic manner to perform the functions of engaging the fish, sealing off the fish, or releasing, either during or after setting operations, should this become advisable.

The TOP SUB, BOWL and GUIDE from the outer assembly.

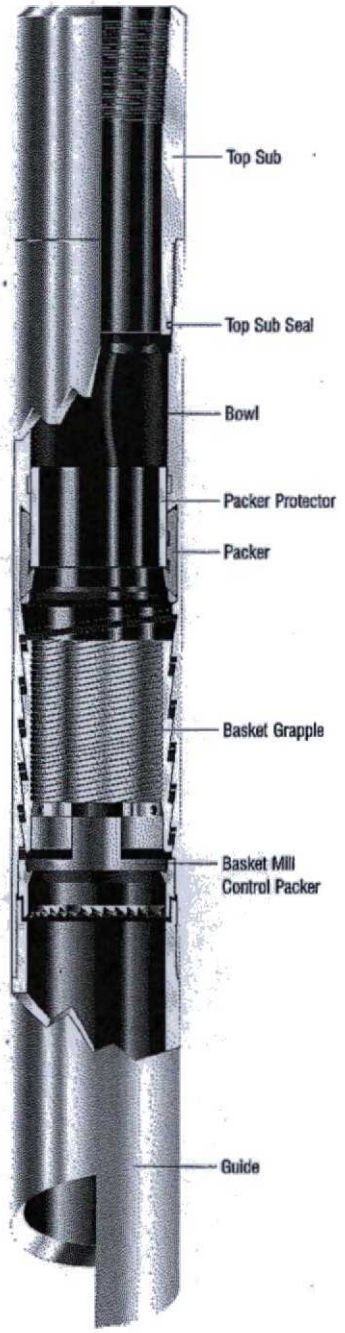
The TOP SUB has an upper connection to match the running string, and a lower connection to mate with the Bowl. A Top Sub Seal is located immediately below the lower thread of the Top Sub.

The BOWL has an upper connection for the Top Sub, an area of length into which the PACKER PROTECTOR slides during operation, a spiraled section which contains the engaging GRAPPLE, a space for the MILL CONTROL PACKER, and a lower connection to accept the GUIDE.

The GUIDE is usually flush with the outside diameter of the Casing Patch, and cut lipped. The primary purpose of the Guide is to assist smooth entry of the fish into the catch area of the patch. A secondary function is to maintain the inner working parts in position.

The inner working parts of the Bowen Packer Type Casing Patch are the GRAPPLE, PACKER, MILL CONTROL PACKER AND PACKER PROTECTOR.

The GRAPPLE is essentially a cylinder with wickers in its inside diameter for engaging the fish, and spirals on its outside diameter to mate with the spirals in the Bowl. Both the wickers and the spirals are made with a left-hand lead, which allow release by right-hand rotation. The Grapple has a series of longitudinal slots which allow the Grapple to flex diametrically during operation.



Bowen Packer Type Casing Patch

Calculated Tensile and Burst Strengths - Bowen Packer Type Casing Patches

See graphs on pages 9 - 12 for combined loading

Assembly No	Casing O.D.	Patch O.D.	Maximum Internal Burst (Fluid) Press - P.S.I. *	Maximum Recommended Pressure Across Packers *	Tensile Strength At Yield with 0 P.S.I. *	Maximum Recommended Pull Load In LBS with 0 P.S.I. *
11215	4-1/2"	5-3/4"	10,600 PSI	5000	398,600#	299,000
11220	5"	6-1/4"	9,800 PSI	5000	436,700#	327,500
11225	5-1/2"	6-13/16"	10,300 PSI	5000	481,900#	361,400
11230	6"	7-7/16"	9,067 PSI	5000	451,300#	338,500
11235	6-5/8"	7-15/16"	7,558 PSI	5000	378,600#	284,000
11240	7"	8-3/8"	8,052 PSI	5000	415,300#	311,500
11245	7-5/8"	9"	7,493 PSI	5000	414,900#	311,200
11250	8-5/8"	10-1/16	7,450 PSI	5000	525,800#	394,400
11255	9-5/8"	11-1/8"	7,399 PSI	5000	568,400#	426,300
11260	10-3/4"	12-5/16"	7,309 PSI	5000	624,200#	468,100
17025	1" Pipe	1-29/32"	7,870 PSI	4000	27,700#	20,800
17033	3/4" Pipe	1-29/32"	7,870 PSI	4000	27,700#	20,800
22420	4"	5-1/4"	11,700 PSI	5000	362,600#	272,000
22430	5-3/4"	7-1/16"	8,496 PSI	5000	378,700#	284,000
39136	11-3/4"	13-3/8"	7,290 PSI	3500	667,200#	500,400
41042	13-3/8"	15-1/8"	6,200 PSI	3500	686,700#	515,000
80669	13-5/8"	16"	10,500 PSI	3000	1,700,000#	1,276,000
149790	20"	24"	7,500 PSI	4500	2,333,000#	1,750,000

** See the charts on pages 9 - 12 for the combined loading of burst pressure and tensile.*

Note: The above burst figures apply to the bowl only. In no case should more than maximum packer pressure be applied to the Casing Patch.