west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 03, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10700755, issued to SABIC INNOVATIVE PLASTICS US LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: 4
Farm Name: BORG-WARNER CORP
API Well Number: 47-10700755
Permit Type: Plugging
Date Issued: 02/03/2015

Promoting a healthy environment.

107007555P

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B
Rev. 2/01

1) Date October 21, 2014
2) Operator's Well No. 4
3) API Well No. 47- 107 - 0755

Ck # 1541
$100.00

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas X / Liquid injection ____/ Waste disposal ____/
(If "Gas, Production X or Underground storage ____) Deep X / Shallow ____

5) Location: Elevation 713.10' Watershed Ohio River
District Lubeck County Wood Quadrangle Little Hocking 7.5' / Lubeck 7.5'

6) Well Operator SABIC Innovative Plastics
Address 9226 Dupont Rd
Washington WV 26181

7) Designated Agent N/A
Address

8) Oil and Gas Inspector to be notified
Name James Stevens
Address 105 Kentuck Road Kenna WV 25248
James.S.Stevens@wv.gov

9) Plugging Contractor
Name Meadows Well Service, LLC
Address 45 Meadows Drive Ravenswood WV 26164
meadowswellservice1@frontier.com

10) Work Order: The work order for the manner of plugging this well is as follows:

INSERT ★1 → Set 100' Class A cement plug over Berea perforations
1930' to 1830' in 9 5/8" casing
Fill 9 5/8" casing with gel 1830' to ~~100'~~ 1500'
INSERT ★2 → Set ~~100'~~ 200' Class A cement plug from ~~100'~~ 200' to 0' in 9 5/8" casing
Erect proper monument

★1 GEL FROM 1980' - 1930'
★2 SET 100' CEMENT PLUG (CLASS A) FROM 1500' - 1400' (SALT WATER)
GEL FROM 1400' - 200'.

JWM

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector James S. Stevens Date 10/29/2014

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Office of Oil & Gas
JAN 20 2015

1070075P

IV-35
(Rev 8-81)

RECEIVED
JAN 12 1988
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date January 8, 1988
Operator's
Well No. 4
Farm Borg-Warner Chemicals
API No. 47 - 107 - 0755-F

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 713.10' Watershed Ohio River
District: Lubeck County Wood Quadrangle Little Hocking

COMPANY Borg-Warner Chemicals, Inc.
ADDRESS P.O. Box 1868, Parkersburg, WV 26102
DESIGNATED AGENT Arthur T. Sandy
ADDRESS P.O. Box 1868, Parkersburg, WV 26102
SURFACE OWNER Borg-Warner Chemicals, Inc.
ADDRESS P. O. Box 1868, Parkersburg, WV 26102
MINERAL RIGHTS OWNER Same as above
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Glen P. Robinson ADDRESS Rt.#1 Mt. Pleasant Est. Mineral Wells, WV 26150
PERMIT ISSUED 12/5/86
DRILLING COMMENCED Recompletion started 12/15/86
DRILLING COMPLETED Recompletion finished 1/5/87
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11-3/4	75'	75'	Cement to surface
9 5/8	2040'	2040'	"
8 5/8	NOTE: Permanent plug set @ 1980' in 8-5/8" casing		
7	4220'	2194'	Cement top est. @ 4230'
5 1/2	NOTE: Permanent plug set @ 4190' and at 4117' in 7" casing.		
4 1/2			
3			
2			
Liners used			

IN 9 5/8" CASING

GEOLOGICAL TARGET FORMATION Berea Sandstone Depth 1930-1934 feet
Depth of completed well 1980 feet Rotary ___ / Cable Tools Service Rig
Water strata depth: Fresh ___ feet; Salt ___ feet
Coal seam depths: no coal encountered Is coal being mined in the area? ___

OPEN FLOW DATA
Producing formation Berea Sandstone Pay zone depth 1930-1934 feet
Gas: Initial open flow Slight show Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 110 Mcf/d Final open flow ___ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 685 psig (surface measurement) after 96 hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Bbl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

(Continue on reverse side)

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Office of Oil & Gas
JAN 20 2015

10700755P

FORM IV-35
(REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Set permanent bridge plug at 4190' and at 4117' in 7" casing with one bag calseal on each plug. Cut 7" casing off at 2026'. Set permanent bridge plug at 1980' in 9-5/8" casing. Perforated 9-5/8" casing from 1931'-1933' with 16 holes x 0.49" diameter. Nowsco form fraced Berea Sandstone with 75% quality foam, 30,000 lbs. 20/40 sand and 11,500 lbs. 10/20 sand, and 352,800 SCF nitrogen. Well started taking fluid at 1860 psig and treated at 1750 psig. Total water used 173 bbls. Total foam treatment 692 bbls. ISIP 1890 psig. 5 min. SI 1680 psig.

Cleaned well up and ran 1950' 2" tubing in well. Well averaged 32 MCF/day for first month of production.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Surface	0	10	
Shale	10	110	
Sand	110	150	
Shale, sand stringers	150	940	
Sand	940	990	
Shale	990	1090	
Sand	1090	1170	
Shale	1170	1250	
Sand	1250	1260	
Shale	1260	1320	
Sand	1320	1340	
Shale	1340	1435	
Sand	1435	1660	Hole Full Water - 1660'
Shale-siltstone	1660	1910	
Shale	1910	1932	
Sand	1932	1936	
Shale-siltstone	1936	4155	
Limestone	4155	4240	
Sand	4240	4280	Show gas 4250'
Limestone, dolomite	4280	4980	
Sand	4980	5350	
Shale	5350	5580	
Limestone	5580	5595	
Shale	5595	5640	
Sand, shale stringers	5640	5780	
Shale	5780	5824	
Sand	5824	5848	
Shale	5848	5902	T.D. 5902'

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JAN 12 1988
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Received
Office of Oil & Gas
JAN 20 2015

Borg-Warner Chemicals, Inc.
Well Operator

By: Arthur T. Sandy
Arthur T. Sandy
Date: January 8, 1988

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

Rev. - 9-71

1070075SP

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Lubeck

Permit No. WOO-755

CONFIDENTIAL

Rotary X Oil ___
Cable ___ Gas (X)
Recycling ___ Comb. ___
Water Flood ___ Storage ___
Disposal ___ ___ (Kind)

Company Borg-Warner Corp.
Address Woodmar Plant - Washington, W.Va.
Farm Borg-Warner Corp. Acres 190.79
Location (waters) Vaughts Run
Well No. Four Elev. 713.10
District Lubeck County Wood
The surface of tract is owned in fee by Borg-Warner Corp.
Address Woodmar Plant - Washington, W.Va.
Mineral rights are owned by Same
Address ___
Drilling Commenced 10-19-76
Drilling Completed 10-31-76
Initial open flow -- cu. ft. -- bbls.
Final production 270M cu. ft. per day -- bbls.
Well open 1 hrs. before test 1450 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16 Cond.			
13-10"	75	75	circulate to surface
9 5/8	2040	2040	circulate to surface
8 5/8			
7	4220	4220	cement to 4050'
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Well treatment details:
1047 bbl. water - 30,000# 20-40 mesh sand - 500 gal acid 15% Hcl
Fractured 12-9-76

Coal was encountered at No coal Feet ___ Inches ___
Fresh water None encountered Feet ___ Salt Water Hole Full Feet 1600
Producing Sand Oriskany Depth 4240-4280

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	10		
Shale			10	110		
Sand			110	150		
Shale, sand stringers			150	940		
Sand			940	990		
Shale			990	1090		
Sand			1090	1170		
Shale			1170	1250		
Sand			1250	1260		
Shale			1260	1320		
Sand			1320	1340		
Shale			1340	1435		
Sand			1435	1660	Hole Full Water - 1660'	
Shale-siltstone			1660	1910		
Shale			1910	1932		
Sand			1932	1936		
Shale-siltstone			1936	4155		
Limestone			4155	4240		
Sand			4240	4280	Show gas 4250'	
Limestone, dolomite			4280	4980		

(over)

* Indicates Electric Log tops in the remarks section.

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Office of Oil & Gas
JAN 20 2015

SEP 1 1978

10700755P

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand			4980	5350	4988-5005 Newb	Lockport 5112-5348
Shale			5350	5580	5348-5315 Keefer	
Limestone			5580	5595		
Shale			5595	5640		
Sand, shale stringers			5640	5780	Tuscarora	
Shale			5780	5824		
Sand			5824	5848		
Shale ~~HLDBG.~~ Juniata			5848	5902	T.D. 5902'	

4155	4240	4280
713	713	713
3442	3527	3567

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Office of Oil & Gas
JAN 20 2015

Date March 3, 1977

APPROVED Borg-Warner Corporation, Owner

By Arthur R. Sandy
(Title)
Group Purchasing Agent

10700755P

FORM WW-2(B) (Obverse) 7/85

FILE COPY

RECEIVED NOV 26 1986 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

1) Date: September 15, 1986

2) Operator's Well No. Borg-Warner # 4

3) API Well No. 47 -107-0755 -F (State County W Permit)

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil ____ / Gas XX /

B (If "Gas", Production XX / Underground storage ____ / Deep ____ / Shallow XX /)

5) LOCATION: Elevation: 713.1 Watershed: Vaught's run

District: Lubeck 1053 County: Wood 107 Quadrangle: Lubeck 449

6) WELL OPERATOR BORG-WARNER CORP CODE: 6500

Address P. O. Box 1868

Parkersburg, WV 26101

7) DESIGNATED AGENT Arthur Sandy

Address P O Box 1868

Parkersburg WV

8) OIL & GAS INSPECTOR TO BE NOTIFIED

Name Glen P. Robinson

Address RT 1, #6 Mt. Pleasant Est.

Mineral Wells, WV 26150

9) DRILLING CONTRACTOR:

Name ____

Address ____

10) PROPOSED WELL WORK: Drill ____ / Drill deeper ____ / Redrill ____ / Stimulate XX /

Plug off old formation ____ / Perforate new formation XX /

Other physical change in well (specify) ____

11) GEOLOGICAL TARGET FORMATION, Oriskany, Gordon, Berea 475

12) Estimated depth of completed well, 4290 feet

13) Approximate trata depths: Fresh, ____ feet; salt, 1660 feet.

14) Approximate coal seam depths: ____ Is coal being mined in the area? Yes ____ / No XX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft.	New	Used	FOOTAGE INTERVALS For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor									Kinds
Fresh water	13			XX		75	75	to surface	
Coal									Sizes
Intermediate	9 5/8			XX		2040	2040	to surface	
Production	7		23	XX		4220	4220	50 sx	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-107-0755-F W

December 5 19 86

Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires December 5, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
✓	12/15	[signature]	[signature]	4/23827	Tank	[signature]	

O.K. MPR

Received Office of Oil & Gas JAN 20 2015

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

10700755P

OG-1
Rev.—71

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED JUL 08 1976 WEST VIRGINIA GEOLOGICAL SURVEY

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE May 24, 1976

Surface Owner Borg-Warner Corporation Attn: Arthur Sandy
Address P.O.Box1868, Parkersburg, WV 26101
Mineral Owner Same
Address
Coal Owner None
Address
Coal Operator
Address

Company Borg Warner Corporation
Address P.O.Box 1868, Parkersburg, WV 26101
Farm Borg Warner Corporation Acres 190.79
Location (waters) Ohio River
Well No. Four Elevation 713.10
District Lubeck County Wood
Quadrangle Little Hocking 7 1/2

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 11-7-76.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Goodnight
PH: 477-2455 ADDRESS Smithville, W.Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Oct. 9, 19 70 by Arthur O. Mollendick made to Borg Warner Corporation and recorded on the ____ day of ____ 19__, in Wood County, Book 579 Page 605

____ NEW WELL ____ DRILL DEEPER ____ REDRILL ____ FRACTURE OR STIMULATE

____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address ____ day ____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT OPTICAL AND GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Very truly yours, Borg Warner Corporation
(Sign Name) Arthur P. Sandy
Well Operator

Address of Well Operator
P. O. Box 1868
Street
Parkersburg
City or Town
W. Va.
State

Received
Office of Oil & Gas
JAN 28 2015

BOND BRILL

*SECTION 3 ... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by: Arthur P. Sandy

WOOD-755 PERMIT NUMBER

47-107

1070075SP

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known)
NAME _____
ADDRESS _____
TELEPHONE _____

RESPONSIBLE AGENT:
NAME Arthur Sandy
ADDRESS P. O. Box 1868, Parkersburg, W. Va.
TELEPHONE 485-1771

ESTIMATED DEPTH OF COMPLETED WELL: 4250
ROTARY X CABLE TOOLS _____
PROPOSED GEOLOGICAL FORMATION: Oriskany

TYPE OF WELL: OIL _____ GAS _____ COMB. X STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8	150	150	Surface
8 - 5/8			
7	1955	1955	500' to 1455'
5 ½			
4 ½	4185	4185	300' to 3885
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40 FEET _____ SALT WATER _____ FEET _____
APPROXIMATE COAL DEPTHS None _____, _____.
IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, $100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

Office of Oil & Gas
JAN 20 2015

_____
For Coal Company

_____
Official Title

10700755P

WW-4A
Revised 6-07

1) Date: January 14, 2015
2) Operator's Well Number
4

3) API Well No.: 47 - 107 - 0755

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:
(a) Name SABIC Innovative Plastics
Address 9226 Dupont Road
Washington WV 26181

(b) Name
Address

(c) Name
Address

6) Inspector James Stevens
Address 105 Kentuck Road Kenna WV 25248
James.S.Stevens@wv.gov
Telephone 304-206-7775

5) (a) Coal Operator
Name None
Address

(b) Coal Owner(s) with Declaration
Name SABIC Innovative Plastics
Address 9226 Dupont Road
Washington WV 26181

Name
Address

(c) Coal Lessee with Declaration
Name None
Address

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

(1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
(2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

OFFICIAL SEAL
Notary Public, State of West Virginia
HARRIET R. COLLINS
Parkersburg & Wood Co. Public Library
3100 Emerson Ave.
Parkersburg, WV 26104
My commission expires May 3, 2024

Well Operator SABIC Innovative Plastics
By: Scott Dansey Scott Dansey
Its: Site Manager
Address 9226 Dupont Road
Washington WV 26181
Telephone 304-863-7793

Subscribed and sworn before me this 15th day of January 2015
Harriet R. Collins Notary Public
My Commission Expires May 3, 2024

Received
Office of Oil & Gas
JAN 20 2015

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

10700755P

SURFACE OWNER WAIVER

Operator's Well Number 4 (47-107-0755)

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

1) The proposed well work will constitute a hazard to the safety of persons.
2) The soil erosion and sediment control plan is not adequate or effective;
3) Damage would occur to publicly owned lands or resources;
4) The proposed well work fails to protect fresh water sources or supplies;
5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON ETC.

Signature _____ Date _____

Received
Office of Oil & Gas
JAN 20 2015

FOR EXECUTION BY A CORPORATION,

Name SABIC Innovative Plastics
By Scott Dansey
Its Site Manager Date

Signature Scott Dansey Date 1/15/15

107007558

WW-4B

API No. 47-107-0755
Farm Name SABIC Innovative Plastics
Well No. 4

INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____/ owner X / lessee _____/ of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 1/15/2015

Scott Dansey

By: Scott Dansey; SABIC Innovative Plastics

Its Site Manager

Received
Office of Oil & Gas
JAN 20 2015

WW-9
Rev. 5/08

10700755P

API Number 47 - 107 - 0755
Operator's Well No. 4

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name SABIC Innovative Plastics OP Code _____

Watershed Ohio River Quadrangle Lubeck 7.5'

Elevation 713.10 County Wood District Lubeck

Description of anticipated Pit Waste: Fluids encountered while plugging subject well

Will a synthetic liner be used in the pit? Yes; 20 mil.

Proposed Disposal Method For Treated Pit Wastes:

- ____ Land Application
- X Underground Injection (UIC Permit Number 34-105-2-13619-00-00)
- ____ Reuse (at API Number ____)
- ____ Off Site Dispposal (Supply form WW-9 for disposal location)
- ____ Other (Explain ____

Proposed Work For Which Pit Will Be Used:

- ____ Drilling
- ____ Swabbing
- ____ Workover
- X Plugging
- ____ Other (Explain ____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Scott Dansey

Company Official (Typed Name) Scott Dansey

Company Official Title Site Manager

Subscribed and sworn before me this 15th day of January, 20 15

Harriet R. Collins Notory Public

My commission expires May 3, 2024

Received
Office of Oil & Gas
JAN 20 2015

OFFICIAL SEAL
Notary Public, State of West Virginia
HARRIET R. COLLINS
Parkersburg & Wood Co. Public Library
3100 Emerson Ave.
Parkersburg, WV 26104
My commission expires May 3, 2024

107007551

Form WW-9

Operator's Well No. 4

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
Buildings
Water wells W
Drill site

Diversion
Spring
Wet Spot
Drain Pipe with size in inches
Waterway
Cross Drain
Artificial Filter Strip
Pit: cut walls
Pit: compacted fill walls
Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 0.5 Acres Prevegetation pH 6.15

Lime 2 Tons/acre or to correct to pH 6.50

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch Straw; 2 Tons/acre

Seed Mixtures

Area I Seed Type	lbs/acre	Area II Seed Type	lbs/acre
Tall Fescue	40		
Ladino Clover	5		

Attach:
Drawing(s) of road, location,pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

See attached Form WW-7

Plan Approved by: _____

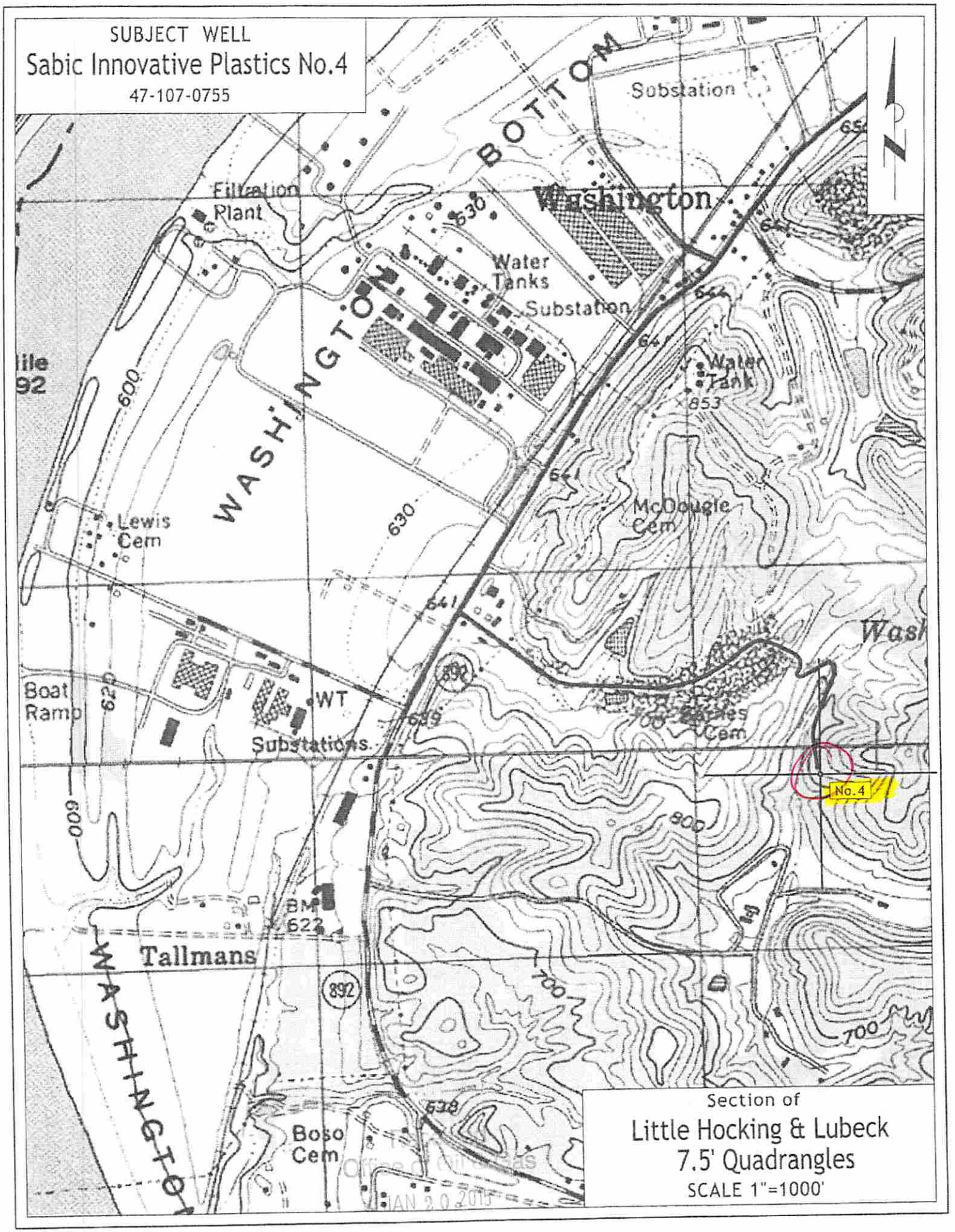
Comments: _____

Title: _____ Date: _____

Field Reviewed? (_____) Yes (_____) No

Received
Office of Oil & Gas
JAN 20 2015

10700755P


SUBJECT WELL
Sabic Innovative Plastics No.4
47-107-0755
Substation
BOTTOM
Filtration Plant
Washington
Water Tanks
Substation
WASHINGTON
Water Tank
853
McDougle Cem
Lewis Cem
Boat Ramp
WT
Substations
Cem
No.4
BM 622
Tallmans
892
Boso Cem
Section of
Little Hocking & Lubeck
7.5' Quadrangles
SCALE 1"=1000'

10700755P

WW-7
5-02

West Virginia Department of Environmental Protection
Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47- 107 - 0755 WELL NO: 4

FARM NAME: Sabic Innovative Plastics

RESPONSIBLE PARTY NAME: Sabic Innovative Plastics

COUNTY: Wood DISTRICT: Lubeck 3

QUADRANGLE: Lubeck 7.5' 449

SURFACE OWNER: Sabic Innovative Plastics

ROYALTY OWNER: Sabic Innovative Plastics

UTM GPS NORTHING: 4,344,674 (NAD 83)

UTM GPS EASTING: 442,341 (NAD 83) GPS ELEVATION: 218 m. (715 FT)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone:17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) - meters.
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method:

Survey Grade GPS ___ Post Processed Differential ___
Real-Time Differential ___

Mapping Grade GPS X Post Processed Differential X
Real-Time Differential ___

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Timothy P. Roush — Professional Surveyor
Signature — Title

10/14/2014
Date

Received
Office of Oil & Gas
JAN 20 2015