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

June 24, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10701299, issued to CARR CONCRETE CORPORATION, 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: 1
Farm Name: CARR CONCRETE CORP. OF WV
API Well Number: 47- 10701299
Permit Type: Plugging
Date Issued: 06/24/2015

Promoting a healthy environment.

107012998

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.

CK # 22355
$100.00

WW-4B
Rev. 2/01

1) Date March 10, 2015
2) Operator's
Well No. Centurial Products No.1
3) API Well No. 47 - 107 - 01299

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 X / Gas X / Liquid injection ____ / Waste disposal ____ /
(If "Gas, Production ____ or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 612' Watershed Ohio River
District Union County Wood Quadrangle Valley Mills 7.5'

6) Well Operator Carr Concrete Corporation
Address P.O. Box 265
Waverly, WV 26184-0265

7) Designated Agent Stephen D. Carr
Address P.O. Box 265
Waverly, WV 26184-0265

8) Oil and Gas Inspector to be notified
Name Jamie Stevens
Address 105 Kentuck Road
Kenna, WV 25248

9) Plugging Contractor
Name Meadows Well Service
Address Route 2, Box 22
Ravenswood, WV 26164

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

TD - 2,410'
8 5/8" 275' (CTS)
4 1/2" 2,350' (TOC - 1,425' est.)

Plug No.1 ~~2280'~~ - ~~2180'~~ 2370' - 2270' gvm
Plug No.2 1,935' - 1,835'
Freepoint 4 1/2", cut & pull, est. 1,400'
Plug No.3 1,450' - 1,350'
Plug No.4 750' - 350'
Plug No.5 325' - 225'
Plug No.6 100' - Surface

NOTE: Place 6% Gel between all plugs

No Well Record old well assigned a number.

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

Work order approved by inspector Jamie Stevens Date 4/15/2015

Record Provided by OOEG

10701299P

WR-35

JUL 29 1987
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date 01/26/86
Operator's
Well No. Centurial #1
Farm Centurial
API No. 47 - 107 - 1299

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

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

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

LOCATION: Elevation: 612.3 Watershed Ohio River
District: Union County Wood Quadrangle Valley Mills

COMPANY Broughton Foods Co.
ADDRESS 210 N. Seventh St., Marietta, Ohio 45750
DESIGNATED AGENT Phil Smith
ADDRESS 114 Virginia St., Charleston, WV
SURFACE OWNER Centurial Products, Inc.
ADDRESS 132 South Fourth St., Marietta, Ohio
MINERAL RIGHTS OWNER Centurial Products, Inc.
ADDRESS 132 South Fourth St., Marietta, Ohio
OIL AND GAS INSPECTOR FOR THIS WORK
Deo Mace ADDRESS Rt.#1, Box 5, Sandridge, WV
PERMIT ISSUED November 23, 1983
DRILLING COMMENCED December 14, 1983
DRILLING COMPLETED December 20, 1983
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.			
13-10"			
9 5/8			
8 5/8	275	275	93 sk
7			
5 1/2			
4 1/2	2350	2350	175
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 2400 feet
Depth of completed well ____ feet Rotary x / Cable Tools ____
Water strata depth: Fresh 120 feet; Salt 500 feet
Coal seam depths: 400 - 700 Is coal being mined in the area? x

OPEN FLOW DATA
Producing formation Gordon Pay zone depth 2290-2310 feet
Gas: Initial open flow 20 Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 20 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 8 hours
Static rock pressure 275 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation Berea Pay zone depth 1939-1946 feet
Gas: Initial open flow 18 Mcf/d Oil: Initial open flow 1 Bbl/d
Final open flow 12 Mcf/d Oil: Final open flow 1 Bbl/d
Time of open flow between initial and final tests 6 hours
Static rock pressure 350 psig (surface measurement) after 24 hours shut in

W004 1299

RECORD PROVIDED BY OOGC

10701299P

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

Perforated 2390 - 2410 20 Shot

Perforated 1939 - 1946 10 Shot

Gordon Well Stimulated - 40,000 lb. 20/40 Sand - 1200 BBL Slick Water

Berea 40,000 lb. Sand 120 BBL Foam Frac

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Big Injun	1481	1523	
Wier	1840	1880	
Berea	1939	1946	
30' Sand	2160	2172	
Gordon	2390	2410	

(Attach separate sheets as necessary)

Broughton Foods Company
Well Operator

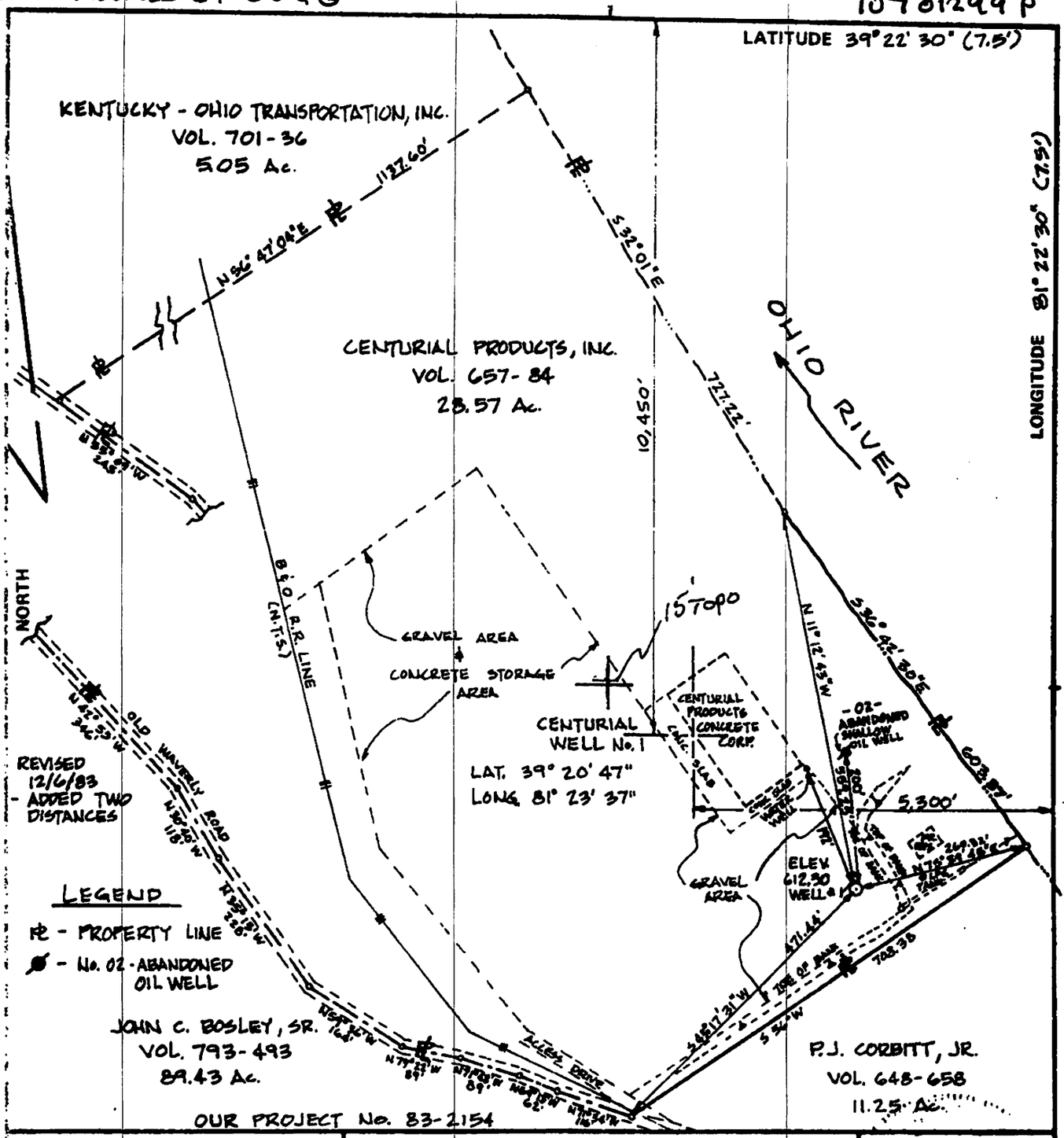
By: _____

Date: _____

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 [illegible]"

RECORD PROVIDED BY OO&G

10701299 P



FILE NO.
DRAWING NO.
SCALE 1" = 200'
MINIMUM DEGREE OF ACCURACY 1 : 5,000
PROVEN SOURCE OF ELEVATION U.S.C. & G.S. B.M. A-168 (618.726)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES.

(SIGNED) [signature]

L.L.S. #550

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE _____, 19__
OPERATOR'S WELL NO. CENTURIAL WELL #1
API WELL NO.
47 - 107 - 1299
STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WELL TYPE: OIL X GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 612.30 WATER SHED OHIO RIVER
DISTRICT UNION COUNTY WOOD
QUADRANGLE VALLEY MILLS W.V.-OHIO (7.5)

SURFACE OWNER CENTURIAL PRODUCTS, INC. ACREAGE 28.57

OIL & GAS ROYALTY OWNER CENTURIAL PRODUCTS, INC., A DIVISION OF MARIETTA CONCRETE LEASE ACREAGE 28.57
LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION GORDON ESTIMATED DEPTH 2400

WELL OPERATOR BROUGHTON FOODS CO. DESIGNATED AGENT PHIL SMITH

ADDRESS 210 N. SEVENTH ST., MARIETTA, OHIO ADDRESS c/o BROUGHTON FOODS CO., 114 VIRGINIA ST. W.

WOOD 1299

10701299P

WW-4A
Revised 6-07

1) Date: March 10, 2015
2) Operator's Well Number
Centurial Products No.1

3) API Well No.: 47 - 107 - 01299

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: Carr Concrete Corporation
Address: P.O. Box 265
Waverly, WV 26184-0265

(b) Name
Address

(c) Name
Address

6) Inspector: Jamie Stevens
Address: 105 Kentuck Road
Kenna, WV 25248
Telephone: 304-206-7775

5) (a) Coal Operator
Name: NA
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

(c) Coal Lessee with Declaration
Name
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.

Well Operator: Carr Concrete Corporation
By: Robert Buescher - Vice Chair Stephen D. Carr
Its: Designated Agent
Address: P.O. Box 265
Waverly, WV 26184-0265
Telephone: 304-464-4441

Subscribed and sworn before me this 27th day of March 2015
Mary Worrell Notary Public
My Commission Expires

MARY WORRELL
NOTARY PUBLIC • STATE OF OHIO
Recorded in Lake County
My commission expires Mar. 8, 2020

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.

10701299P
Ck# 22355
$100 00

SURFACE OWNER WAIVER

Operator's Well Number: Centurial Products No.1

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.

_____ Date _____
Signature

FOR EXECUTION BY A CORPORATION,

Name Cast Concrete Corp.
By Robert J Buescher
Its Vice Chairman Date
Signature Robert J Buescher Date 3/27/2015

10701299P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 107 - 01299
Operator's Well No. Centurial Products No.1

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 Carr Concrete Corporation OP Code 310090

Watershed Ohio River Quadrangle Valley Mills 7.5'

Elevation 612' County Wood District Union

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

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

Proposed Disposal Method For Treated Pit Wastes:

- X Land Application
- _____ Underground Injection (UIC Permit Number _____)
- _____ 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
- _____ Workover
- _____ Other (Explain _____
- _____ Swabbing
- X Plugging

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 Robert Buescher - Vice Chair, Carr Concrete Corp.

Company Official (Typed Name) Stephen D. Carr

Company Official Title Designated Agent

Subscribed and sworn before me this 27th day of March, 2015

Mary Worrell Notory Public

My commission expires _____

MARY WORRELL
NOTARY PUBLIC • STATE OF OHIO
Recorded in Lake County
My commission expires Mar. 8, 2020

10701299P

Form WW-9

Operator's Well No. Centurial Products No.1

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 12
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 0.2 Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH _____

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

Mulch Straw 2 Tons/acre

Seed Mixtures

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

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

Photocopied section of involved 7.5' topographic sheet.

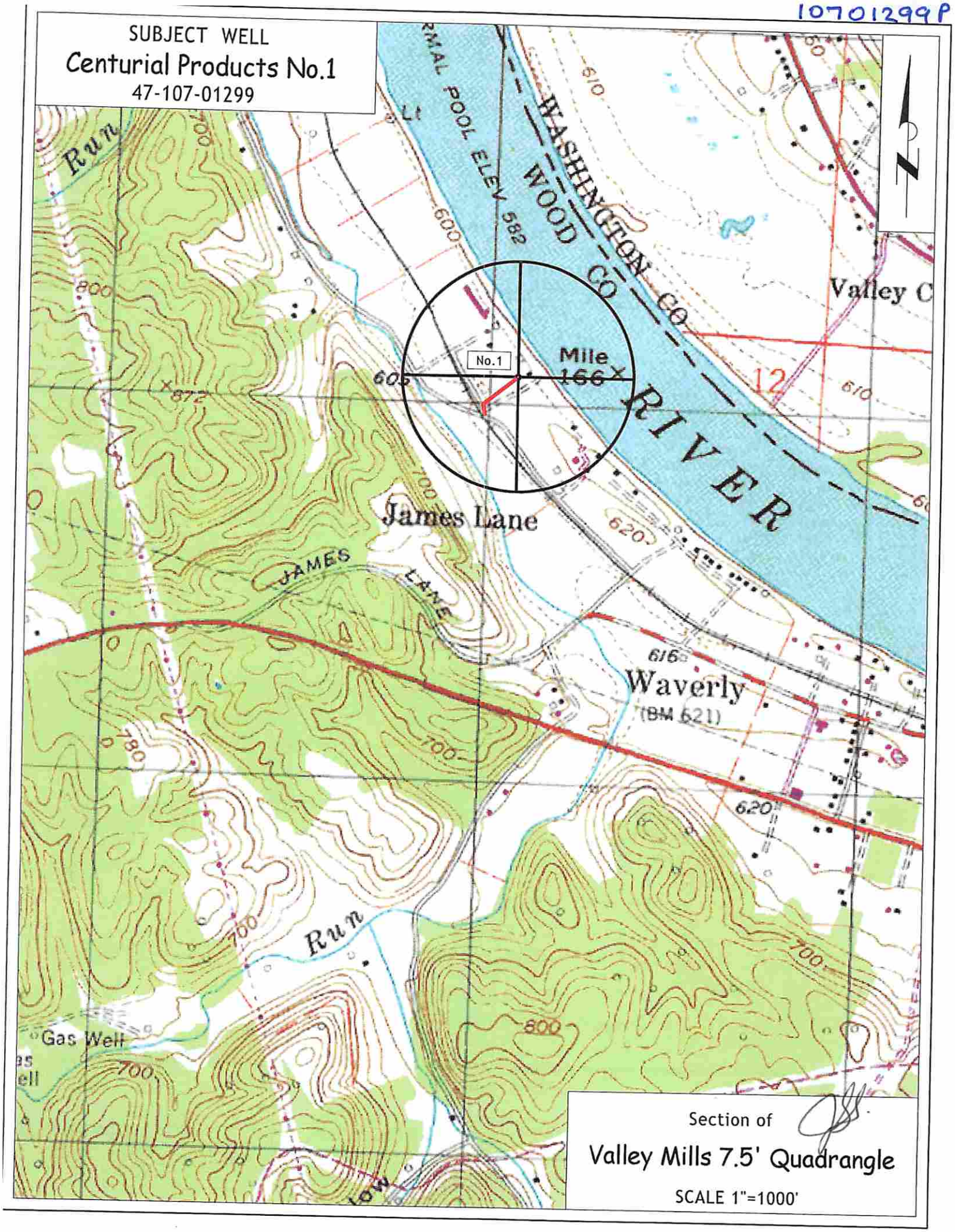
Plan Approved by: James S. Stevens, Jr.

Comments: _____

Title: _____ Date: 4/15/2015

Field Reviewed? (✓) Yes ( ) No

10701299P



Section of

Valley Mills 7.5' Quadrangle

SCALE 1"=1000'

10701299P

WW-7
5-02

West Virginia Department of Environmental Protection
Office of Oil & Gas
WELL LOCATION FORM: GPS

API: 47- 107 - 1299 **WELL NO:** No.1

FARM NAME: Centurial Products

RESPONSIBLE PARTY NAME: Carr Concrete Corporation

COUNTY: Wood **DISTRICT:** Union

QUADRANGLE: Valley Mills 7.5'

SURFACE OWNER: Carr Concrete Corporation

ROYALTY OWNER: Carr Concrete Corporation

UTM GPS NORTHING: 4,355,287

UTM GPS EASTING: 466,087 **GPS ELEVATION:** 187 m.

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.

Robert Buescher Stephen D. Carr Designated Agent / Vice Chair
Signature Title

March 10, 2015
Date

T

NOW

Operator: CARR CONCRETE CORPORATION OF WV

API: 10701299

WELL No: 1

Reviewed by: [illegible] Date: 6/18/15

15 Day End of Comment: 04/27/15

CHECKLIST FOR FILING A PERMIT

Plugging

CK# 22355
$100.00

- [x] WW-4B
- [x] Inspector signature on WW-4B
- [ ] Completion / Well Records of Previous Work
- [x] WW-4A (Notarized)
- [ ] Certified Mail Receipts, Waivers, or Affidavits of Personal Service (
- [x] Surface Owner Waiver
- [ ] Coal Owner / Lessee /Operator Waiver
- [x] WW-9 (Page 1) (Notarized)
- [x] Inspector Signature on WW-9 (Optional)
- [x] Topographic Map of location of well
- [x] WW-7

OR

- [ ] Mylar Plat (Surface owner on plat matches WW-4A)
- [x] Bond
- N/A Company is Registered with the SOS
- N/A Worker's Compensation / Unemployment Insurance
- [x] $100.00 check ($0.00 if no pit)

State Records still show Carr Concrete Corporation as property Owner.

Correct. Stephen Carr is no longer associated with Carr Concrete and has no authority to sign for the Corporation. Parent Company R.W. Sidley purchased the stock of Carr Concrete Corp. I am also President of R.W. Sidley

Robert Buescher