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

July 07, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4902327, issued to CONSOLIDATION COAL COMPANY, 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: 5557
Farm Name: CONSOLIDATION COAL COMPA
API Well Number: 47-4902327
Permit Type: Plugging
Date Issued: 07/07/2014

4902327P

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.

4902327P

FORM WW-4(B)
Rev. 2/01

1.) Date: June 12, , 20 14 .
2.) Operator's Well No. 5557 .
3.) API Well No. 47 - 49 - .
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
APPLICATION FOR A PERMIT TO PLUG & ABANDON

4.) WELL TYPE: Oil X / Gas / Liquid injection / Waste disposal /
(IF "Gas", Production / Underground storage / Deep / Shallow X

5.) LOCATION: Elevation: 1511.24' Watershed: Long Drain of Buffalo Creek .

District: Mannington County: Marion Quadrangle: Glover Gap 7.5' .

6.) WELL OPERATOR Consolidation Coal Co.

Address 1 Bridge St.

Monongah, WV 26554

7.) DESIGNATED AGENT Ronnie Harsh .

Address 1 Bridge St.

Monongah, WV 26554 .

8.) OIL & GAS INSPECTOR TO BE NOTIFIED

Name Bill Hendershot

Address 403 James St.

Mannington, WV 26582

9.) PLUGGING CONTRACTOR

Name .

Address .

.

10.) WORK ORDER: The work order for the manner of plugging this well is as follows:

SEE EXHIBIT NO. 1

101C

Received

JUN 19 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

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

Jmw

Work order approved by inspector _____ Date _____

4902327P

101C

EXHIBIT NO.1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consolidation Coal's Northern West Virginia Operations will utilize one of the following two methods to plug all future wells.

4 ½ VENT PIPE METHOD

(a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below the lowest minable coal seam.
(b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
(c) Run 4 ½ casing from surface to a minimum of 200 feet below lowest minable coal seam and circulate 50/50 poz mix cement followed by expanding cement to surface. The expanding cement shall extend from a minimum of 200 feet below minable coal seam to a point 100 feet above.

The 4 ½ will remain open from surface to a minimum of 80 feet below that minable coal seam.

SOLID PLUG METHOD

(a) If active well: clean out to total depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.
(b) If abandoned well: clean out to first plug 200 feet below lowest minable coal seam.
(c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel 50/50 poz mix from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

Received

JUN 19 2014

Office of Oil and Gas
WV Department of Environmental Protection

4902327P

FORM WW-4(A)
Revised 6-07

1) Date: June 12, 2014
2) Operator's Well No. 5557
3) API Well No. 47 – 49 - _____
State County Permit

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

4) SURFACE OWNER(S) TO BE SERVED
(a) Name CONSOLIDATION COAL COMPANY
Address 1 Bridge St.
Monongah, WV 26554

(b) Name _____
Address _____

(c) Name _____
Address _____

(6) INSPECTOR _____
Address _____

Telephone _____

5)a) COAL OPERATOR
Name CONSOLIDATION COAL CO.
Address 1 Bridge St.
Monongah, WV 26554

(b) COAL OWNER(S) WITH DECLARATION:
Name _____
Address _____

(c) COAL LESSEE WITH DECLARATION:
Name _____
Address _____

TO THE PERSON(S) 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 and its location 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 REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-4(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice 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 From WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivery by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery by the Chief.

Received
JUN 19 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

WELL OPERATOR Consolidation Coal Company
By Ronnie Harsh
Its Project Engineer / Agent
Address 1 Bridge St.
Monongah, West Virginia 26554
Telephone (304) – 534 – 4748

Ronnie Harsh

Subscribed and sworn before me this 17th day of June, 2014

Janet L. Lieving Notary Public

Marion County, State of West Virginia

My commission expires June 13, 2024

OFFICIAL SEAL
Notary Public, State of West Virginia
JANET L LIEVING
199 Broadview Avenue
Fairmont, WV 26554
My commission expires June 13, 2024

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 depprivacyofficer@wv.gov.

4902327P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 049 - _____
Operator's Well No. 5557

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 **Consolidation Coal Company** OP Code **10950**

Watershed **Long Drain of Buffalo Creek** Quadrangle **Glover Gap**

Elevation **1511.24'** County **Marion** District **Mannington**

Description of anticipated Pit Waste: **N/A**

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes _____ No **X**

Will a synthetic liner be used in the pit? **N/A**. If so, what mil.? _____

Proposed Disposal Method For Treated Pit Wastes:

_____ Land Application
_____ Underground Injection (UIC Permit Number _____)
_____ Reuse (at API Number _____)
_____ Off Site Disposal (Supply form WW-9 for disposal location)
X Other (Explain **Tanks, see attached letter**

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. **Freshwater**
If oil based, what type? Synthetic, petroleum, etc.? _____
Additives to be used? **Bentonite, Bicarbonate of Soda**

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. **Reused or Disposed (see attached letter)**
-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust _____
-Landfill or offsite name/permit number? _____

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 Ronnie Harsh Received

Company Official (Typed Name) **Ronnie Harsh** JUN 19 2014

Company Official Title **Project Engineer**

Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 17th day of June, 20 14

Janet L. Lieving Notary Public

My commission expires June 13, 2024

OFFICIAL SEAL
Notary Public, State of West Virginia
JANET L LIEVING
199 Broadview Avenue
Fairmont, WV 26554
My commission expires June 13, 2024

4902327P

Consolidation Coal Company
Northern West Virginia Operations
1 Bridge Street
Monongah, WV 26554

phone: 304-534-4748
fax: 304-534-4739
e-mail: ronnieharsh@consolenergy.com
web: www.coalsource.com

*Name: RONNIE HARSH
*title: Project Engineer

April. 7, 2014

Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304-2345
Phone: (304) 926-0499
Fax: (304) 926-0452

To Whom It May Concern:

As per the Department of Environmental Protection, Office of Oil and Gas request, Consolidation Coal Company, Northern West Virginia Operations, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without general permit for Oil and Gas Pit Waste Discharge Application), Consolidation Coal Company, Northern West Virginia Operations, will construct no pits, but instead will use mud tanks to contain all drilling muds.

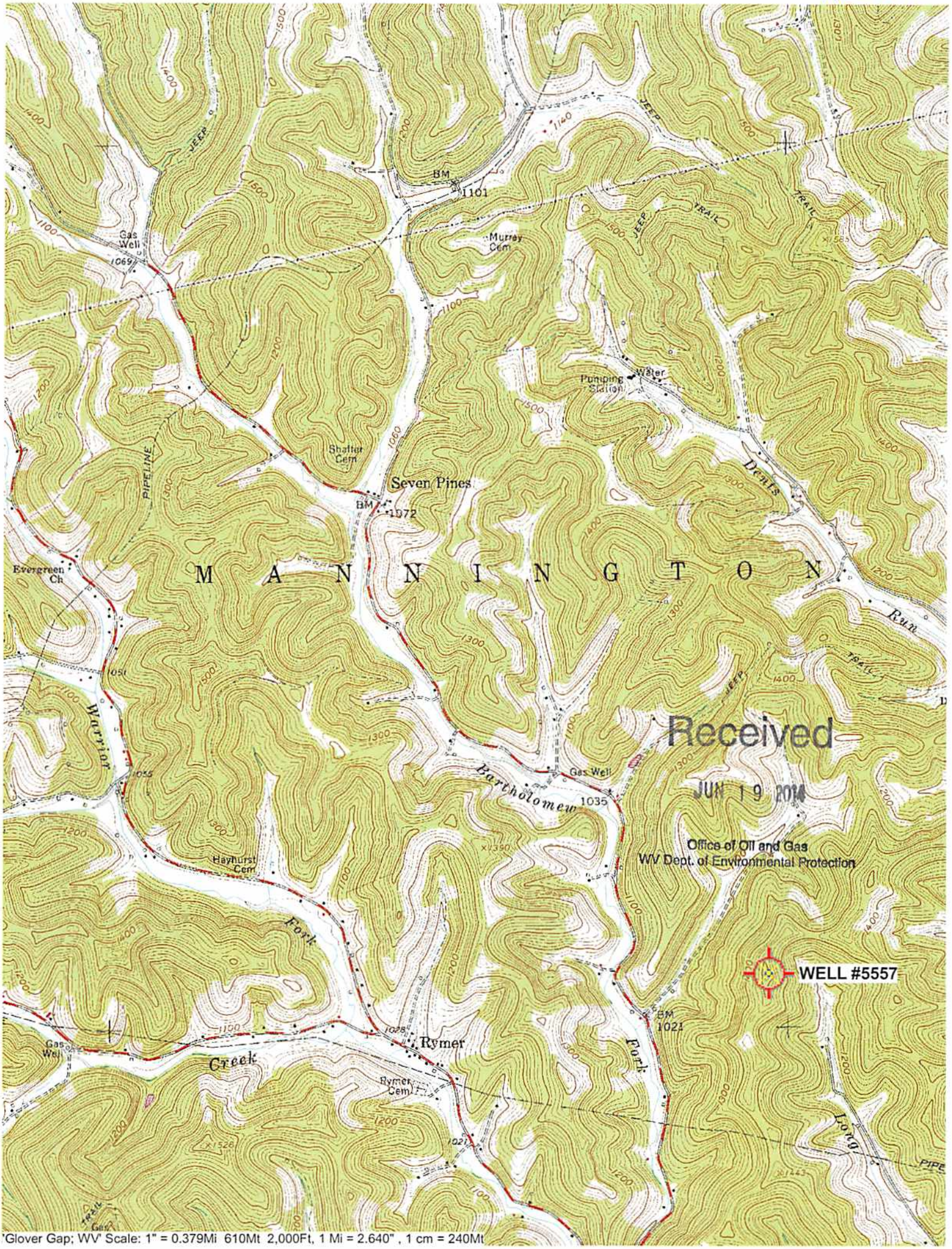
Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP impoundment facilities number U-78-83, U-104-83, or U-1011-93.

Sincerely,

Ronnie Harsh
Project Engineer

Received
JUN 19 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

4902327P



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Office of Oil and Gas
WV Dept. of Environmental Protection

'Glover Gap; WV' Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt

4902327P

WW-7
8-30-06

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

API: 47-049- 02327 **WELL NO.:** 5557

FARM NAME: O. S. Pitzer

RESPONSIBLE PARTY NAME: Consolidation Coal Company

COUNTY: Marion **DISTRICT:** Mannington 4

QUADRANGLE: Glover Gap 374

SURFACE OWNER: Consolidation Coal Company

ROYALTY OWNER:

UTM GPS NORTHING: 4,377,335 m

UTM GPS EASTING: 550,043 m **GPS ELEVATION:** 461 m (1571.24')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and 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 ____

4. **Letter size copy of the topography map showing the well location.**

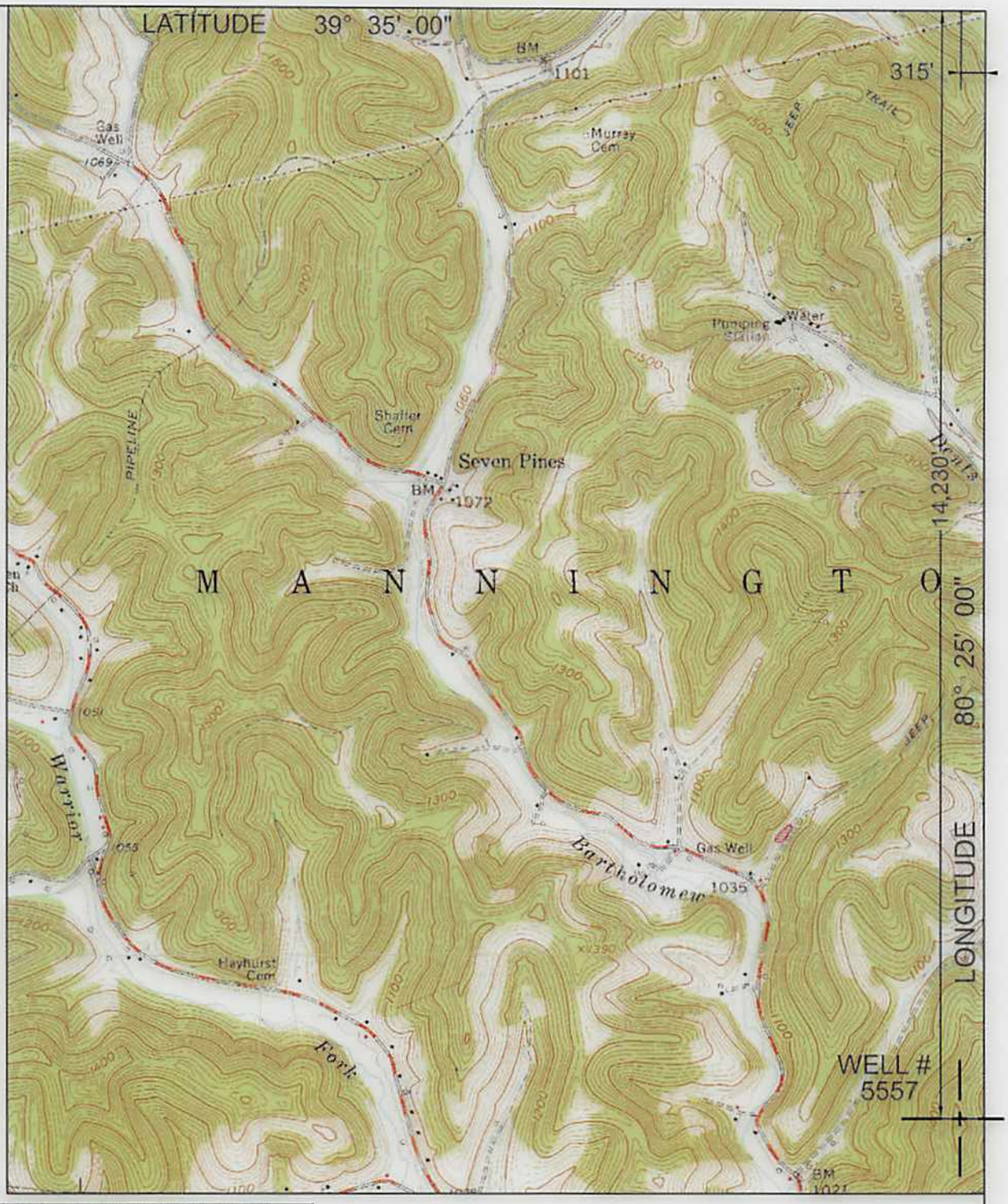
I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Received
JUN 19 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

_____ **Professional Surveyor**
Signature Title

June 12, 2014
Date

FORM WW-6



SURROUNDING WELLS WITHIN 1200' RADIUS

UTM ZONE 17N NAD83 CONUS			LAT/LONG NAD27 CONUS
NORTHING	4,377,335	METERS	39° 32' 39.1" N
EASTING	550,043	METERS	80° 25' 04.1" W

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 ENVIRONMENTAL PROTECTION.

P.S. 2002

TROY B. FREELS LICENSED No. 2002 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE JUNE 12 , 20 14

OPERATORS WELL NO. 5557

API WELL NO. 47 – 49 – 02327P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY: 1 / 2500

PROVEN SOURCE OF ELEVATION: GPS METADATA OR COMPANY NETWORK TIED INTO U.S.G.S.

FILE NO.: GLOVERGAP 5.DWG

SCALE: 1"=2000'

WV DEP
OFFICE OF OIL AND GAS
601 57TH ST., CHARLESTON, WV 25304

WELL TYPE: OIL X GAS ____ LIQUID INJECTION ____ WASTE DISPOSAL ____ "GAS" PRODUCTION ____ STORAGE ____ DEEP ____ SHALLOW X

LOCATION:
ELEVATION: 1511.24' WATERSHED: LONG DRAIN OF BUFFALO CREEK
DISTRICT: MANNINGTON COUNTY: MARION QUADRANGLE: GLOVER GAP, WV 7.5'
SURFACE OWNER: CONSOLIDATION COAL COMPANY ACREAGE: 91± ACRES
ROYALTY OWNER: ____ LEASE ACREAGE: ____
PROPOSED WORK: ____ LEASE NO.: ____
DRILL: ____ CONVERT: ____ DRILL DEEPER: ____ REDRILL: ____ FRACTURE OR STIMULATE: ____ PLUG OFF OLD: ____
FORMATION: ____ PERFORATE NEW FORMATION: ____ PLUG AND ABANDON: X CLEAN OUT AND REPLUG: ____ OTHER: ____
PHYSICAL CHANGE IN WELL (SPECIFY): ____ TARGET FORMATION: NONE
ESTIMATED DEPTH: ____

COUNTY NAME
PERMIT

WELL OPERATOR: CONSOLIDATION COAL COMPANY DESIGNATED AGENT: RONNIE HARSH
ADDRESS: 1 BRIDGE ST., MONONGAH, WV 26554 ADDRESS: 1 BRIDGE ST., MONONGAH, WV 26554