



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

September 26, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8501785, issued to DEEM, J. F. OIL & GAS, 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 penalties 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: V SIMMONS 2
Farm Name: SIMMONS, VERNER
API Well Number: 47-8501785
Permit Type: Plugging
Date Issued: 09/26/2014

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.

WN-4B
Rev. 2/01

1) Date August 29, 2013
2) Operator's
Well No. V Simmons 2
3) API Well No. 47-005-0178

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
- 5) Location: Elevation 888 Watershed Brushy Fork
District Union County Ritchie Quadrangle Auburn
- 6) Well Operator J F DEEM Oil & Gas Co 7) Designated Agent J F Deem
Address 4541 Emerson Ave Address 4541 Emerson Ave
Parkersburg WV 26104 Parkersburg, WV 26104
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name David Cowan Name Lucas Well Service, Inc
Address Rt 1, Box 202 Address P O Box 4652
Harrisville WV 26362 Parkersburg, WV 26104
-
- 10) Work Order: The work order for the manner of plugging this well is as follows:

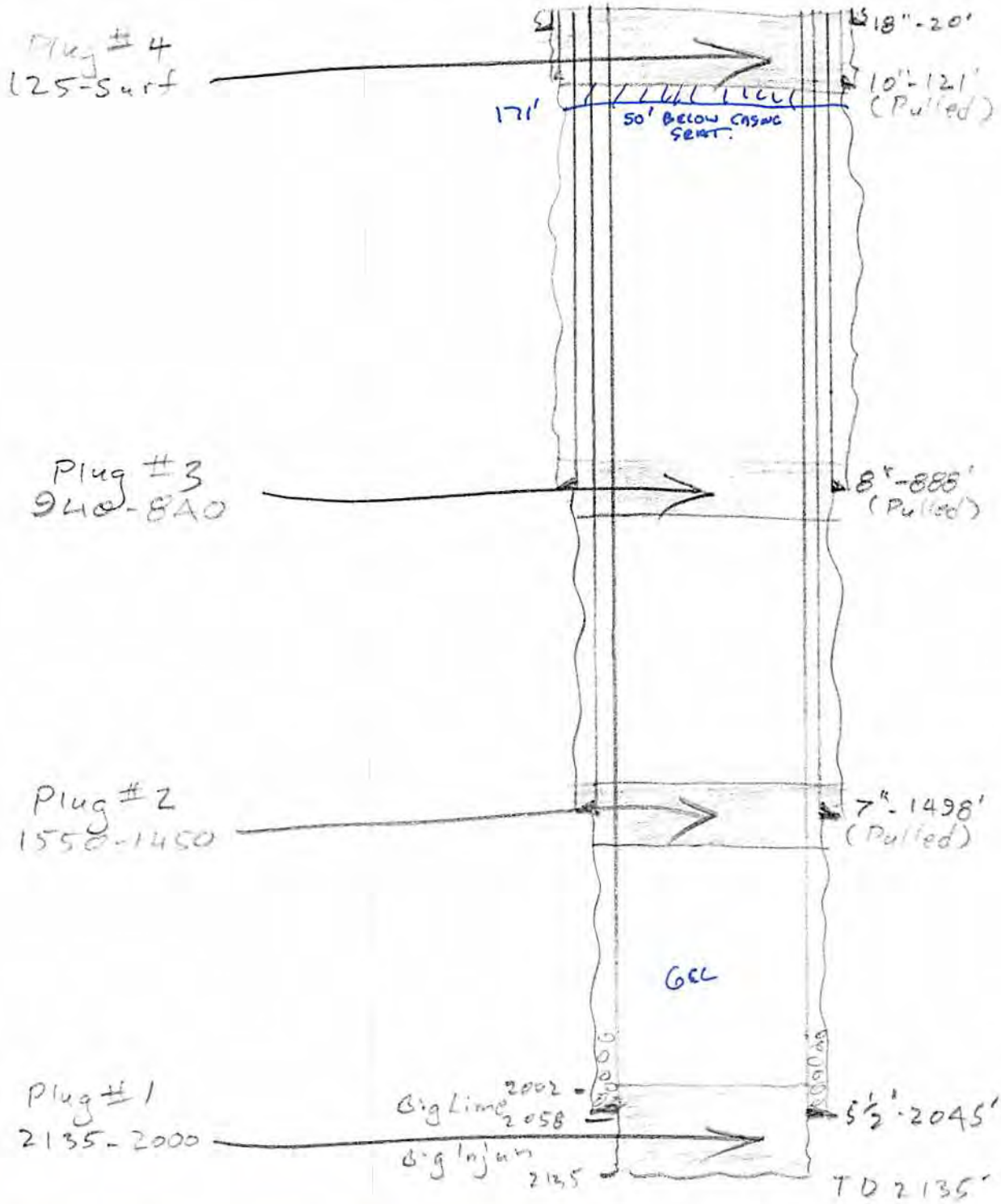
See Attached

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

Work order approved by inspector *David Deem* Date 11-7-13

V. Summers 2
47-085-01785

4708501785^P



100' CEMENT PLUG ACROSS 5 1/2" CASING CUT.

RECEIVED
Office of Oil and Gas
OCT 31 2013
WV Dept of Environmental Protection
09/26/2014

V Summers 2

Manner of Plugging

47-085-01785

✓ Cement	2135 - 2000	
Gel	2000 - 1550	
✓ Cement	1500 - 1450	
Gel	1450 - 940	
Cut 5 1/2" casing @ 940 (or free point) and pull	1900?	} 100' PLUG ACROSS CUT.
Cement	940 - 840	
Gel	840 - 125 ¹⁷¹	
Cement	125 ¹⁷¹ surface	

Erect monument w/API Number

RECEIVED
Office of Oil and Gas

OCT 31 2013

WV Department of
Environmental Protection

09/26/2014

Geol. Dept.
Wsp. Posting

Date
10/22/57



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

4708501785P

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OCT 21 1957

UNITED CARBON CO.
GEOLOGICAL DEPT.

94 *Kalbrook*

WELL RECORD

Permit No. RIT-1785

Oil or Gas Well Gas
(check)

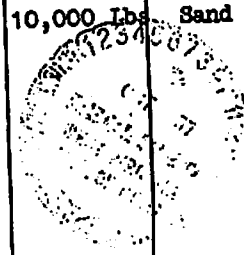
Company	<u>Plymouth Oil Co.</u>			Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	<u>Pittsburgh, Pa.</u>			Size			
Farm	<u>Vernor Simmons Acres 55 AC.</u>			16			Kind of Packor
Location (waters)	<u>Brushy Fork of Bone Creek</u>			18	<u>20</u>		
Well No.	<u>2</u>	Elev.	<u>1173</u>	20	<u>121</u>		Size of
District	<u>Union</u>	County	<u>Ritchie</u>	24	<u>888</u>		Depth set
The surface of tract is owned in fee by _____				28	<u>1498</u>	<u>2045</u>	
Mineral rights are owned by <u>Vernor Simmons</u>				32	<u>2045</u>	<u>2045</u>	Perf. top
Address <u>Duburgh, W. Va.</u>				34			Perf. bottom
Drilling commenced <u>7 - 29 - 57</u>				36			Perf. top
Drilling completed <u>9 - 9 - 57</u>				38			Perf. bottom
Date Shot From _____ To _____				40			
With _____				42			
Open Flow	<u>/10ths Water in</u>	_____ Inch		44			
	<u>/10ths Merc. in</u>	_____ Inch		46			
Volume	<u>600M</u>	_____ Cu. Ft.		48			
Rock Pressure	<u>405</u>	lbs.	<u>24</u> hrs.	50			
Oil		_____ bbls.	1st 24 hrs.	52			
Fresh water	_____ feet	_____ feet		54			
Salt water	_____ feet	_____ feet		56			

CASING CEMENTED 5 1/2 SIZE 100 No. Ft. 9-6-57 Date

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

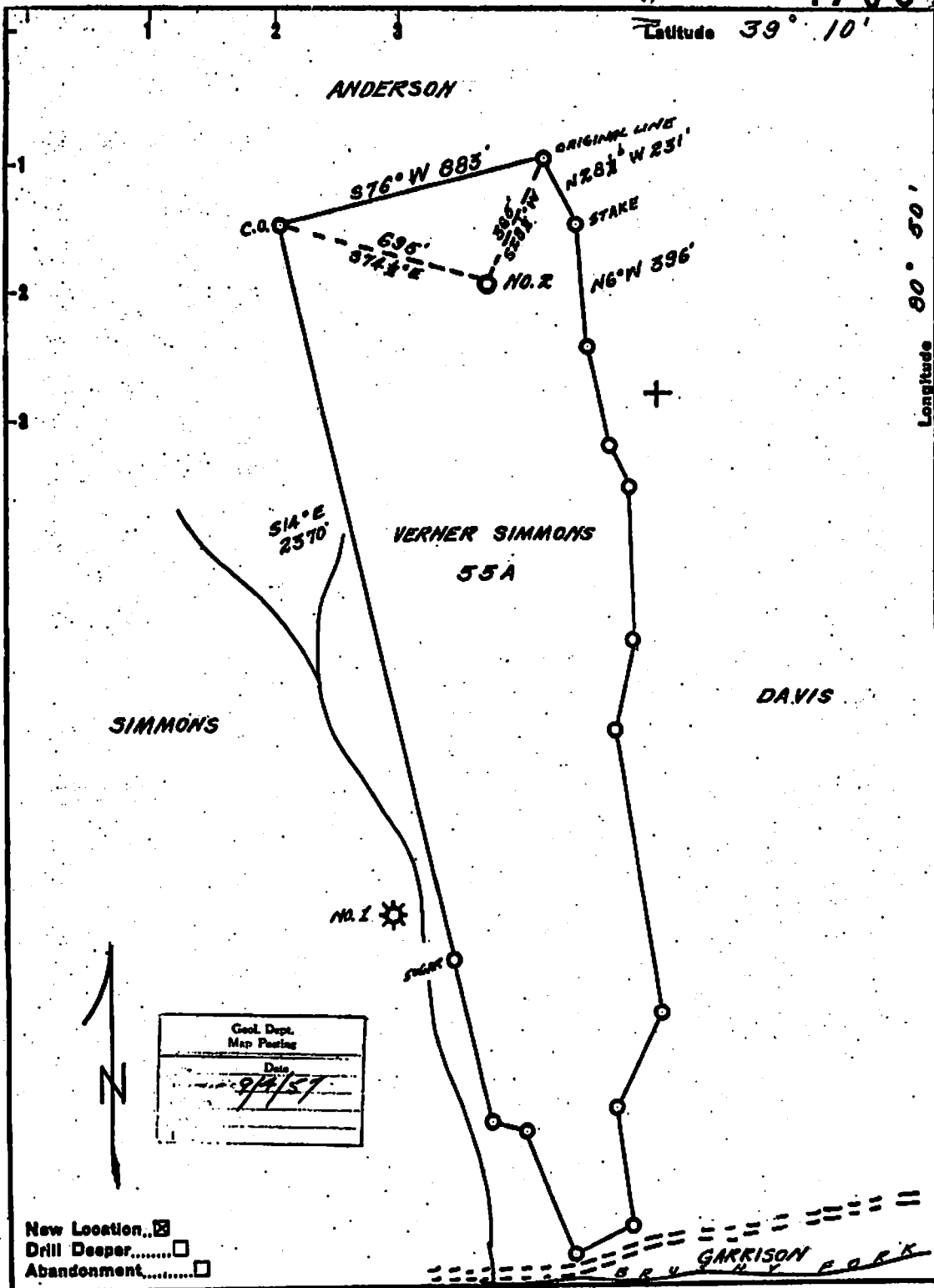
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			975	988			
Red Rock			988	993			
Lime and Sand			993	1030			
Slate and Lime			1030	1120			
Sand			1120	1145			
Slate and Lime			1145	1260			
Sand			1260	1290			
Slate and Lime			1290	1405			
Sand			1405	1415			
Slate			1415	1450			
Sand			1450	1552			
Slate			1552	1735			
Sand			1735	1755			
Slate and Shells			1755	1830			
Sand			1830	1870			
Slate and Lime			1870	1944			
Sand			1944	1952			
Slate			1952	1960			
Lime			1960	1975			
Slate			1975	1982			
Sand			1982	1991			
Slate			1991	2002			
Lime			2002	2058			
Sand			2058	2135	Gas	2078	
Slate			2135				

Before Fracturing- OpenFlow 20M
 Fractured With 290 Bbls. Jelled Oil and 10,000 Lbs Sand
 After Fracturing- Open Flow 600M



RIT-1785

Latitude 39° 10'



New Location...
 Drill Deeper.....
 Abandonment.....

Company PLYMOTH OIL CO.
 Address PITTSBURGH, PA.
 Farm VERNER SIMMONS
 Tract _____ Acres 55 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 1175'
 Quadrangle HOLBROOK
 County RITCHIE District UNION
 Engineer Donald W. Morris
 BY J. F. DEEM
 Engineer's Registration No. 1653
 File No. _____ Drawing No. _____
 Date JULY 16, 1957 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Rit-1785

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border, line of original tracing.

WW-4A
Revised 6-07

1) Date: August 29, 2013
2) Operator's Well Number
V Simmons 2
3) API Well No.: 47 - 085 - 01785

CK14579
10000

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:	✓ 5) (a) Coal Operator
(a) Name <u>Lawrence Helk</u>	Name _____
Address <u>938 Brushy Fork Road</u>	Address _____
<u>Auburn, WV 26325</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector	(c) Coal Lessee with Declaration
Address _____	Name _____
_____	Address _____
Telephone _____	_____

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 J F Deem Oil & Gas Co
 By: [Signature]
 Its: Owner
 Address 4541 Emerson Ave
Parkersburg, WV 6104
 Telephone 304 428-0005

RECEIVED
Office of Oil and Gas
OCT 31 2013
WV Department of Environmental Protection

Subscribed and sworn before me this 30th day of September, 2013

Melinda K. Johnson
My Commission Expires July 9, 2017

Notary Public



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.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p> <input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. </p>	<p> A. Signature X <i>Erma Van Natter</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee B. Received by (Printed Name) <i>Erma Van Natter</i> C. Date of Delivery <i>10-31-13</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: </p>
<p>1. Article Addressed to:</p> <p><i>Erma L. Vannitter 828 Brushy Fork Rd. Auburn, WV 26325</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <i>7012 2920 0000 7421 7932</i></p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p> <input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. </p>	<p> A. Signature X <i>Lawrence Helk</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee B. Received by (Printed Name) <i>Lawrence Helk</i> C. Date of Delivery <i>10-31-13</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: </p>
<p>1. Article Addressed to:</p> <p><i>Lawrence Helk 938 Brushy Fork Rd. Auburn, WV 26325 2 Documents Enclosed</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <i>7012 2920 0000 7421 7925</i></p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

Received

NOV 14 2013

Office of Oil and Gas

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 J F Deem Oil & Gas Co OP Code 307118

Watershed Brushy Fork Quadrangle Auburn

Elevation 1173 County Ritchie District Union

Description of anticipated Pit Waste: Fluids from plugging operations

Will a synthetic liner be used in the pit? ~~AS-needed~~ 204K

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)
- Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- 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 *J F Deem*
 Company Official (Typed Name) J F Deem
 Company Official Title Owner

Subscribed and sworn before me this 30th day of September, 2013

Melinda K. Johnson Notary Public

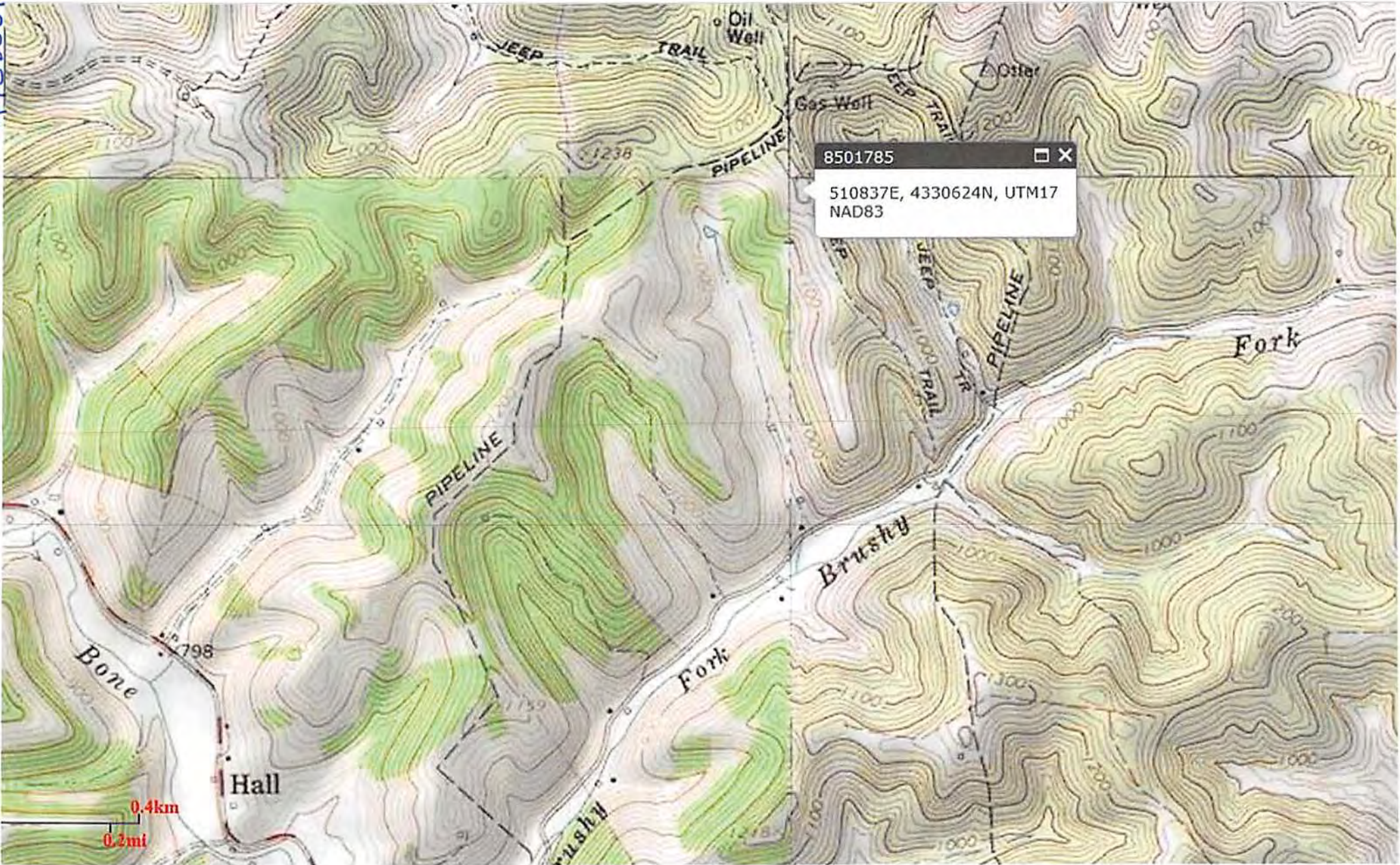
My commission expires July 9, 2013

RECEIVED
Office of Oil and Gas

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Melinda K. Johnson
1139 - 48th Street
Vienna, WV 26105
My Commission Expires July 9, 2017

09/26/2014

4708501785 P



8501785 X
510837E, 4330624N, UTM17
NAD83

0.4km
0.2mi

WW-7
8-30-06



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

API: 47-085-01785 WELL NO.: V Simmons 2

FARM NAME: Lawrence Helk

RESPONSIBLE PARTY NAME: J F Deem

COUNTY: Ritchie DISTRICT: Union

QUADRANGLE: Pullman

SURFACE OWNER: Lawrence Helk

ROYALTY OWNER: _____

UTM GPS NORTHING: 4,330,624

UTM GPS EASTING: 510,837 GPS ELEVATION: 358M

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 _____
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.

Signature J F Deem

Owner _____
Title _____

Date 9/30/13