



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: 47-8501743, 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 I
Farm Name: BELL, ALMANZER - HEIRS
API Well Number: 47-8501743
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.

WW-4B
Rev. 2/01

1) Date August 29, 2013
2) Operator's
Well No. V Simmons 1
3) API Well No. 47-085-01743

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 / 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  Date 11-4-13

09/26/2014

OK

gamm

V Summers 1

Manner of Plugging

47-085-01743

1	Cement	1845 - 1700
	Gel	1700 - 1309
2	Cement	1309 - 1209
	Gel	1209 - 430
	Cut 5 1/2" casing @ 1300 (or free point) and pull	
	Cement	430 - 330
	Gel	330 - 100
	Cement	100 - surface

Erect monument w/API Number

* 5 1/2" TOC ≈ 1667 MAY BE ABLE TO CUT & PULL AT 1600'. IF SO SET A 100' PLUG ACROSS CUT.

A COVER MAXON FROM 1500' - 1600' WITH CLASS A CEMENT

RECEIVED
 (MAY 2014) and Gas
 11/2/13

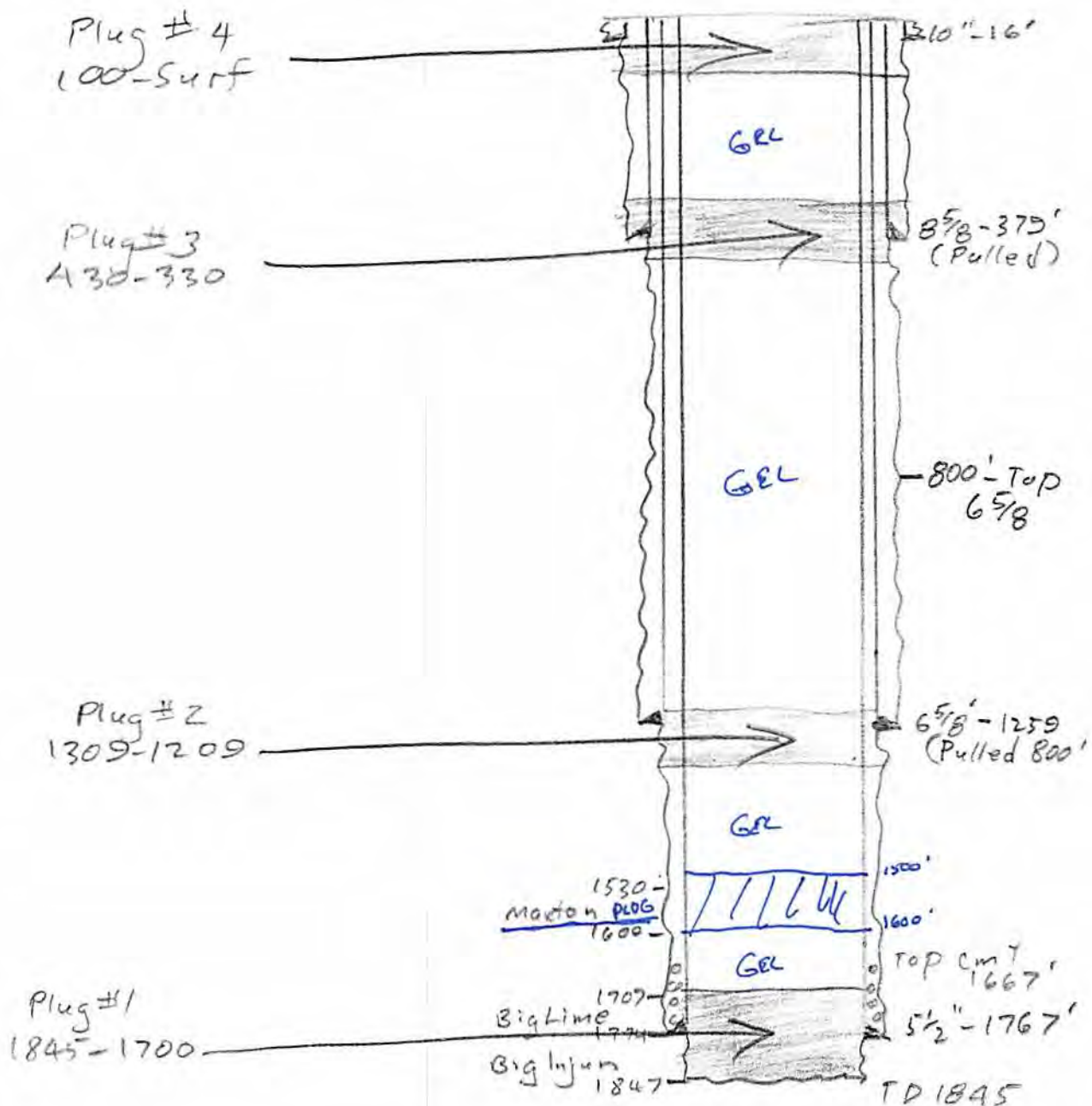
Er

09/26/2014

on

V. Simmons |
47-085-017A3

4708501743P



4708501743P

RECEIVED

JUL 15 1957

UNITED CARBON CO.
GEOLOGICAL DEPT.

09-10

Coal Dept.
Map Printer

Map _____ Date _____
Topographic 7/16/57
Regional _____
Farm _____
Testing _____



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

947
Quadrangle Hallbrook

WELL RECORD

Permit No. BTT-1743

Oil or Gas Well Gas
(KIND)

Company Plymouth Oil Company
Address Benedum-Trees Bldg., Pittsburg, Pa.
Farm Verner Simmons Acres 5 1/2
Location (waters) _____
Well No. 1 Elev. 888'
District Union County Ritchie
The surface of tract is owned in fee by Verner Simmons
Address W. Va. _____
Mineral rights are owned by Verner Simmons
Address _____
Drilling commenced 4-8-57
Drilling completed 4-29-57
Date Shot 5-6-57 From 1774 To 1847
With 400 bbls. crude oil
Open Flow _____ /10ths Water in _____ Inch
150/10ths Merc. in 5 1/2 Inch
Volume 4,900.00 Cu. Ft.
Rock Pressure 700 lbs. 24 hrs.
Oil none bbls. 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
18			Kind of Packer
12			
10 3/4	16'	16'	Size of
8 5/8	379'	---	
6 1/2	1259'	159'	Depth set
5 1/2	1767'	1767'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE 5 1/2 No. Ft. 100' Date _____

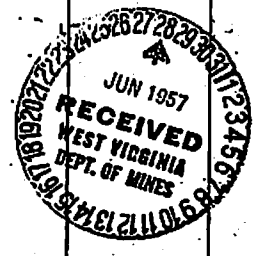
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 20 Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sandy Soil			1	7			
Lime			7	30			
Red Rock			30	40			
Lime			40	50			
Slate & Shells			50	115			
Red Rock			115	170			
Slate & Shells			170	180			
Red Rock			180	195			
Slate & Shells			195	220			
Red Rock			220	250			
Slate & Lime			250	300			
Red Rock			300	310			
Lime			310	340			
Red Rock			340	370			
Slate & Shells			370	410			
Lime			410	430			
Sand			430	450			
Slate & Shells			450	490			
Red Rock			490	572			
Lime			572	695			
Red Rock - Lime - Shells			695	740			
Slate & Lime Shells			740	820			
Sand			820	840			
Slate & Lime			840	880			
Sand (Little Dunkard)			880	900			
Slate & Lime			900	955			
Sand (Big Dunkard)			955	1005			
Lime			1005	1040			
Slate & Shells			1040	1072			



RIT 1743

(over)

09/26/2014

Formation	Color	Hard or Soft	Top	Bottom //	Oil, Gas or Water	Depth Found	Remarks
Sand			1072	1088			
Lime & Slate (Black)			1088	1109			
Sand (1st Salt)			1109	1125			
Slate			1125	1130			
Lime & Sand			1130	1235			
Slate & Shells			1235	1428			
Sand (2nd Salt)			1428	1455			
Slate & Lime			1455	1520			
Sand (Maxon)			1530	1600	Gas 1538'	42'	5/10" H ₂ O in 1"
Slate & Lime			1600	1620			
Limey Sand (Hard)			1620	1645			
Slate & Lime			1645	1667			
Little Lime			1667	1700			
Pencil Cave			1700	1707			
Big Lime			1707	1774			
Injun Sand			1774	1847	Gas 1786'	91'	80/10" H ₂ O in 1"
Slate			1847	1850	Gas 1825'	41'	12/10" H ₂ O in 2"
Plugged back to			1845				

Date _____ 19____
 APPROVED _____ Owner
 By _____ (Title)

WW-4A
Revised 6-07

1) Date: August 29, 2013
2) Operator's Well Number V Simmons 1
3) API Well No.: 47 - 085 - 01743

CK 14579
10000

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

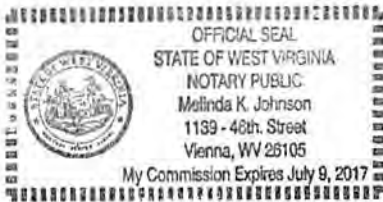
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Lawrence Helk</u>	Name _____
Address <u>938 Brushy Fork Road</u>	Address _____
<u>Auburn, WV 26325</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
	Address _____
(c) Name _____	Name _____
Address _____	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. 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 21 2013
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subscribed and sworn before me this 30th day of September, 2013
Melinda K. Johnson Notary Public
 My Commission Expires July 9, 2017

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.

4708501743P

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <i>Erma Van Natter</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Erma Van Natter</i> C. Date of Delivery <i>10-31-13</i></p> <p>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>Emma L. Vannritter 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) 7012 2920 0000 7421 7932</p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <i>Lawrence Heik</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Lawrence Heik</i> C. Date of Delivery <i>10-31-13</i></p> <p>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 Heik 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) 7012 2920 0000 7421 7925</p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

Received

NOV 14 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

09/26/2014

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 888 County Ritchie District Union

Description of anticipated Pit Waste: Fluids from plugging operations

Will a synthetic liner be used in the pit? ~~As needed~~ 20 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)
- 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, 2017



09/26/2014

WW-7
8-30-06



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

API: 47-085-01743 WELL NO.: V Simmons1

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: 4,329956

UTM GPS EASTING: 510,765 GPS ELEVATION: 271M (889FT)

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- 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.

J F Deem _____ 9/30/13
Signature Title Date