

west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Wednesday, October 26, 2022 WELL WORK PLUGGING PERMIT Coal Bed Methane Well Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for LCHC-007A

47-109-02404-00-00

This well work permit 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 any additional specific 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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

James A. Martin

Chief

Operator's Well Number: LCHC-007A

Farm Name: POCAHONTAS LAND COR

U.S. WELL NUMBER: 47-109-02404-00-00

Coal Bed Methane Well Plugging

Date Issued: 10/26/2022

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.

4.7 April 26	1	0	9	0,2	40	4 P)
, (p			- 1	200			

1) Date April 26 , 2022 2) Operator's Well No. LCHC-007A 3) API Well No. 47-109 - 02404

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

APPLICATION FOR A PERM	IIT TO PLUG AND ABANDON				
4) Well Type: Oil/ Gas X/ Liquid injection/ Waste disposal/					
	derground storage) Deep/ ShallowX				
5) Location: Elevation 2437.99 ft	Watershed Clear Fork				
District Oceana	County Wyoming Quadrangle Arnett				
	Leff March				
6) Well Operator Diversified Production, LLC	7) Designated Agent Jeff Mast				
Address 414 Summers Street	Address 31 Hickory Drive				
Charleston, WV 25301	Barboursville, WV 25504				
8) Oil and Gas Inspector to be notified	D. C. IVA/-II Compiess				
Name Gary Kennedy	Name R & J Well Services				
Address 66 Old Church Lane	Address P.O. Box 40				
Pipestem, WV 25979	Hueysville, KY 41640-0040				
See Atta THIS IS THE ACCESS WELL FOR CBM WELLS DRILLED THROUGH TH B HOLE 47-109-02405 C HOLE 47-109-0240	2 PRODUCTION LATERAL E LOWER BECKLEY COAL, RECEIVED Office of Oil and Gas				
	WV Department of Environmental Protection				
Notification must be given to the district o work can commence.	il and gas inspector 24 hours before permitted				
Work order approved by inspector	K M Data 4/29/27				

Plugging Prognosis

API #: 4710902404

Casing Schedule:

13 3/8" @ 39' 9 5/8" @ 308' CTS 7" @ 1367' CTS

TD listed as 1,434'

Estimated kickoff @ 1,400'

- B Hole (109-02405)
 - 18,500' x 4.75" Hole ID = 2,276 Cu ft = 506 BBL w/ 125% excess
- C Hole (109-02406)
 - o 12,500' x 4.75" Hole ID = 1,538 Cu ft = 342 BBL w/ 125% excess

Completion – Pilot Well for CBM production. Unknown if well has bridge plug in it.

Fresh Water: None listed Salt Water: None listed Gas Shows: None listed Oil Shows: None listed Coal: None Listed Elevation: 2702'

- 1. Notify Inspector Gary Kennedy @ 304-382-8402, 48 hrs prior to commencing operations.
- 2. Record pressure on csg.
- 3. Tag TD and record TD.
- 4. Kill well as needed with 6% bentonite gel.
- 5. Bridge lateral with bentonite pellets. Top not to exceed 1417'
- 6. TIH w/ tbg to 1417'. Pump 100' C1A cement plug from 1417' to 1317' (7" csg shoe plug). Tag
- 7. TOOH w/ tbg to 1317'. Pump 6% bentonite gel spacer from 1317' to 358'.
- 8. Confirm 7" csg is cemented to surface. If not TOOH w/ tbg. Free point csg and set plug 50' in/out of cut for total of 100'.
- 9. TOOH w/ tbg to 358'. Pump 100' C1A cement plug from 358' to surface
- 10. Reclaim site and set monument per WV DEP regulations.
- 11. Note: The uncased 4 ¾" wellbore from curve to lateral will be filled w/ gel/cement from the production wells (47-109-02326 & 47-109-02327) when plugging them.

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Office of Oil and Gas

MAY 0 3 2022

WV Department of Environmental Protection WR-35

DATE: 12/20/2005 API#:: 4710902404C

State of West Virginia Division of Environmental Production Section of Oil and Gas

Well Operator's Report of Well Work

District Oceana	
Latitude: 6150	
Company:	
Company:	
Casing and Tubing Casing and Tubing and Tubing Casing and Tubing Casing and Tubing and	
Casing and Tubing Casing and Tubing and Tubing Casing and Tubing Casing and Tubing and	
Kingsport, TN 37660 9 5/8" 308' 308' 165 cu ft	
Agent: Harry Jewell Inspector: Ralph Triplett Date Permit Issued: 09/23/2004 Date Well Work Commenced: 09/30/2004 Date Well Work Completed: 04/29/2005 Verbal Plugging: Date Permission granted on: Rotary X Cable Rig Total Depth (feet): 1,434 Fresh Water Depth (ff): NA Salt Water Depth (ff): NA Is coal being mined in area (N/Y)? Coal Depths (ff): W Department of Environmental Protection Environmental Protection	
Agent: Harry Jewell 7" 1367' 354 cu ft Inspector: Ralph Triplett Date Permit Issued: 09/23/2004 Date Well Work Commenced: 09/30/2004 Date Well Work Completed: 04/29/2005 Verbal Plugging: Date Permission granted on: Rotary X Cable Rig Total Depth (feet): 1,434 Fresh Water Depth (ff): NA Sait Water Depth (ff): NA Is coal being mined in area (N/Y)? Coal Depths (ff): W Department of Environmental Protection Environmental Protection	
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REPLAN	
Office of	Į.
OPEN FLOW DATA	Gas
MAY -	
Producing formation None - Non Producing Well Pay zone depth (ft) MAY 0 3 202	22
Gas: initial open now MCF/d Oil, initial open now Bord	
Final open flow MCF/d Final open flow Bbl/d WV Department of time of open flow between initial and final tests: Hours Environment of	
Time of open flow between initial and final tests: Hours Environment (of
Static rock pressure psig (surface pressure) after Hours	tion
Second producing formation Pay zone depth (ft)	
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d	
Final open flow MCF/d Final open flow Bbl/d	
Time of open flow between initial and final tests: Hours	
Static rock pressure pslg (surface pressure) after Hours	
NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANE, TEC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.	
Signed: Melac Hamp. By: Michael Hamper Date: 12/21/2005 10/28/20	
Signed: Melac Sternar	
By: Michael Stamper	20
Date: 12/21/2005	22

4710902404C

WELL #: LCHC-007A

FORM WR-35R (RÉVERSE)

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

the

 FORMATIONS
 TOP
 BOTTOM
 REMARKS

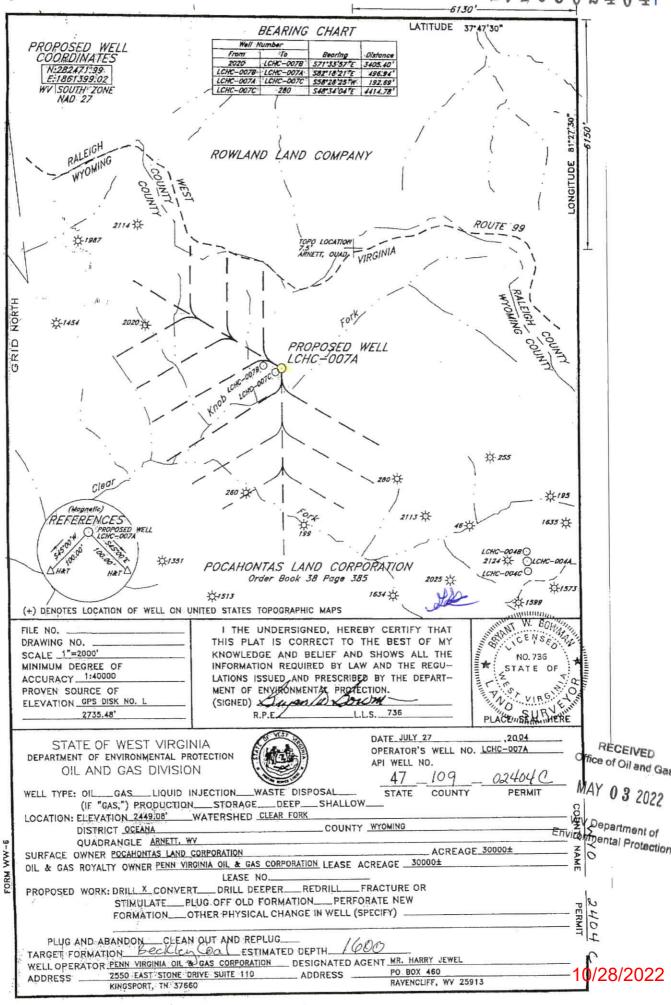
 Sandstone/Shale/Coal
 0
 1867

Coal (Lower Beckley) 1867 Turned Horizontal

RECEIVED
Office of Oil and Gas

MAY 0 3 2022

WV Department of Environmental Protection



WW-4A Revised 6-07

1)	Date:	April 26, 2022		
2)	Operator's	Well Number		
	LCHC-007A			

3) API Well No.: 47 -

09 - 02404

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	Pocahontas Surface Interest	Name	None	_
	Address	P.O. Box 1517	Address		_
		Bluefield, WV 24701			
	(b) Name	2	(b) Coal Own	ner(s) with Declaration	
	Address		Name	Pocahontas Royaltles LLC	
			Address	P.O. Box 1517	
				Bluefield, WV 24701	
	(c) Name		Name		
	Address		Address		_
6)	Inspector Gary Kennedy		(c) Coal Less	see with Declaration	_
	Address	66 Old Church Lane	Name	Consol Mining Company LLC	
		Pipestem, WV 25979	Address	CNX Center Suite 100, 1000 Consol Energy Drive	
	Telephone	304-382-8402		Cannonsburg, PA 15317	
	F			partition of the state of the s	_

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

- 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 Diversified Production, LLC STATE OF WEST VIRGIMA Phyllis A. Copley 144 Willard Circle Hurricane, WV 25528 My Commission Expines September 16, 2023 Well Operator By: Jeff Mast Director Technical Services 414 Summers Strret Charleston, WV 25301 Telephone 304-543-6988

My Commission Expires
Oil and Gas Privacy Notice

Subscribed and sworn before me this Letter day of Light Notary Pub.

My Commission Expires September 16, 2023

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.

47-109-62404 LCHC-007A



Cannonsburg, PA 15317

tructions

City, S

PS Fo

WW-9 (5/16)

API Number	47 -	109	_ 02404	
Derator's W	ell No	LCI	IC-007A	

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

FLUIDS/ CUTTINGS DISPOSAL	L & RECLAIMATION PLAN	
Operator Name_ Diversified Production, LLC	OP Code 494524121	
Watershed (HUC 10)_Clear Fork	Quadrangle Arnett	
Do you anticipate using more than 5,000 bbls of water to complete t	the proposed well work? Yes No	
Will a pit be used? Yes ✓ No		
If so, please describe anticipated pit waste: Produced flui	d and cement returns	
Will a synthetic liner be used in the pit? Yes No	If so, what ml.? 20	
Proposed Disposal Method For Treated Pit Wastes:	annulated 6 mm WW 0 CDD	
Land Application (if selected provide a co	completed form w w-9-GPP)	
Underground Injection (UIC Permit Num		
Reuse (at API NumberOff Site Disposal (Supply form WW-9 for		
Will closed loop systembe used? If so, describe: N/A		
Drilling medium anticipated for this well (vertical and horizontal)?	Air, freshwater, oil based, etc. N/A	
-If oil based, what type? Synthetic, petroleum, etc. N/A		
Additives to be used in drilling medium? N/A		
Drill cuttings disposal method? Leave in pit, landfill, removed offsi	ite, etcN/A	
-If left in pit and plan to solidify what medium will be used	d? (cement, lime, sawdust) N/A	
-Landfill or offsite name/permit number? N/A		
Permittee shall provide written notice to the Office of Oil and Gas of West Virginia solid waste facility. The notice shall be provided with where it was properly disposed.	of any load of drill cuttings or associated waste rejected at any hin 24 hours of rejection and the permittee shall also disclose	
on April 1, 2016, by the Office of Oil and Gas of the West Virginia provisions of the permit are enforceable by law. Violations of any to or regulation can lead to enforcement action.	term or condition of the general permit and/or other applicable law amined and am familiar with the information submitted on this inquiry of those individuals immediately responsible for obtaining and complete. I am aware that there are significant penalties for	dA I
~ Wh a	REC	EIVED
Subscribed and sworn before me this day of apr	, 2022 Since of (Oil and Gas
- Physis a. Copl	Notary Public MAY 0	3 2022
My commission expires September 16, 2023	WV Depar Environmenta	tment of
	Environmenta	Protection

	LODS/SICRE OF TO COTTEC	et to pH 605	
	10-20-20 or equiva		
Mulch		Tolis/acre	
		Seed Mixtures	
Te	emporary	Perman	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		
, W), and area in acres, of hotocopied section of invo	olved 7.5' topographic sheet.		
lan Approved by:	Luy Kungh		
	Juy Kungl		
	*		
	*		
	*		
	*		
	*		
	*		RECENTER



WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LO	CATION FURMI. GIS						
_{API:} 471092404	WELL NO.: 1	07 A					
FARM NAME: Pocahontas Land Corporation							
RESPONSIBLE PARTY NAME:	Diversified Production	on LLC					
COUNTY: Wyoming	DISTRICT: Oce	eana					
QUADRANGLE: Arnett, WV							
SURFACE OWNER: Pocaho		st					
ROYALTY OWNER: DP Blue							
UTM GPS NORTHING: 41809	946.35						
UTM GPS EASTING: 457784	.98 GPS ELEVATI	_{ION:} 2437.99'					
The Responsible Party named above preparing a new well location plat fo above well. The Office of Oil and Gathe following requirements: 1. Datum: NAD 1983, Zone height above mean sea let 2. Accuracy to Datum – 3.0. 3. Data Collection Method: Survey grade GPS: Post Pro	r a plugging permit or assigned Ass will not accept GPS coordinates: 17 North, Coordinate Units: mevel (MSL) – meters. 5 meters	API number on the es that do not meet					
Real-Ti	ime Differential	RECEIVED Office of Oil and Ga					
Mapping Grade GPS X : Post		MAY 0 3 2022					
	l-Time Differential	WV Danay					
I the undersigned, hereby certify this belief and shows all the information prescribed by the Office of Oil and O	required by law and the regulation	knowledge and ons issued and					
Digitally signed by Austin Sutter Date: 2022.04.14 15:29:15 -04'00'	Sr. Proj. Manager	4/14/2022					
Signature	Title	Date					



Kennedy, James P < james.p.kennedy@wv.gov>

plugging permit issued for 471092406, 2405, and 2404

1 message

Kennedy, James P < james.p.kennedy@wv.gov>

Wed, Oct 26, 2022 at 2:39 PM

To: Austin Sutler <asutler@dgoc.com>, Phyllis Copley <pcopley@dgoc.com>, Gary L Kennedy <gary.l.kennedy@wv.gov>, mecook2@assessor.state.wv.us

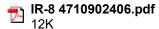
To whom it may concern, plugging permits have been issued for 471092406, 2405, and 2404.

James Kennedy

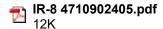
WVDEP OOG

6 attachments











IR-8 4710902404.pdf 12K