

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

Tuesday, May 3, 2022
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC 101 MCQUISTON DRIVE JACKSON CENTER, PA 16133

Re: Permit approval for 18 S 113 47-039-01887-00-00

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: 18 S 113

Farm Name: BLUE CREEK C & L

U.S. WELL NUMBER: 47-039-01887-00-00

Vertical Plugging Date Issued: 5/3/2022

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.

WW-4B Rev. 2/01 1) Date February 9

2) Operator's Well No. 18-S-113 3) API Well No. 47 039

01887

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

4)	APPLICATION TOLVIL	PERMIT TO PLUG AND ABANDON
	Well Type: Oil / Gas X / L	iquid injection/ Waste disposal/
	(If "Gas, Production X o	or Underground storage/ Shallow X
		or an analysis of the Carolina Carolina
5)		Watershed Slatelick Hollow Campbells Creek
	District Malden	County Kanawha Quadrangle Quick
	Diversified Production II	C 7)Designated Agent Jeff Mast
6)	Well Operator Diversified Production, LL Address 414 Summers Street	Address 31 Hickory Drive
	Charleston, WV 25301	Barboursville, WV 25504
	Chandeten, 111 2000 1	
8)	Oil and Gas Inspector to be notifie	ed 9)Plugging Contractor
	Name Terry Urban	Name Diversified Production, LLC (in-house rig)
	Address P.O. Box 1207	Address 1951 Pleasantview Ridge Road
	Clendenin, WV 25045	Ravenswood, WV 26164
		e Attached
		e Attached
		e Attached RECEIVED Office of Oil and Gas
		RECEIVED Office of Oil and Gas

Plugging Prognosis

API#: 4703901887

West Virginia, Kanawha Co.

Lat/Long: 38.33416789, -81.45113674

Nearest ER: CAMC Memorial Hospital 3200 MacCorkle Ave SE, Charleston, WV 25304

Casing Schedule:

13' @ 18' 8-1/4" @ 304' (no cement record listed) 4-1/2" @ 1,549' (cemented to 1,118 w/ 31 sxs) TD @ 1,549'

Completion: Depths not listed

Fresh Water: 25'; 740'-750' Salt Water: None listed

Gas Shows: 1,306'-1,315'; 1,352'-1,388'

Oil Shows: None listed Coal: 43'-47'; 135'-139'

Elevation: 785'

Operator to cover with Cement All Oil E GAS prays including Elevation Sp. Hs, Freshubtle and COAl

- 1. Notify Inspector Terry Urban @ 304-549-5915, 48 hrs prior to commencing operations.
- 2. Check and record pressures on csg/tbg.
- 3. Check TD w/ wireline.
- 4. Run in to depth @ 1,388'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 182' C1A cement plug from 1,388' to 1,206' (Gas shows) Tag TOC. Top off as needed.
- 5. TOOH w/ tbg to 1,206'. Pump 6% bentonite gel from 1,206' to 800'.
- 6. Free point 4-1/2" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut.

 Do not omit any plugs listed below. Perforate as needed.
- 7. TOOH w/ tbg to 800'. Pump 115' C1A cement plug from 800' to 685' (elevation and freshwater plug)
- 8. TOOH w/ tbg to 685'. Pump 6% bentonite gel from 685' to 354'.
- 9. TOOH w/ tbg to 354'. Pump 115' C1A cement plug from 354' to surface (8-1/4' csg shoe, coal shows, freshwater and surface plug)

Hywllh 2.17.22

10. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

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Office of Oil and Gas

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WV Department of Environmental Protection

05/06/2022

05/06/2022



DEPARTMENT OF MINES OIL AND GAS DIVISION /3

Quadrangle CLENDENIN

WELL RECORD

Oil or Gas Well

Permit No KAN-1887 Company Spartan Ges Company Used in Drilling Casing and Tubing Left in Well P. O. Box 766 - Charleston, W. Va. Packers Union Carbide Corporation Acres 3,080 Location (waters) Slatelick Hollow Size 18 - S-113 Well No. Kind of Packer District Malden County Kanawha 181 181 The surface of tract is owned in fee by Union Carbide 30k1 Corporation Address So. Chas. W.Va. 3041 Mineral rights are owned by Same 1231 None 65k. Depth set. 53/16 15491 July 10, 1962 Drilling commenced_ 조 가격# 15491 Perf. ton August 3, 1962 Drilling completed_ Perf. bottom. Date Shot. Liners Used With Perf. bottom. Open Flow 54 /10ths Water in_ Inch /10ths Merc. in. CASING CEMENTED 12 SIZE 310 Ma_Cu. Ft. Volume 31 Bags - Well Service, Inc. Rock Pressure _hrs. COAL WAS ENCOUNTERED AT 43 None FEET 48 INCHES bbls., 1st 24 hrs. 135 FEET L8 INCHES WELL ACIDIZED. INCHES FEET Fractured 8/10/62 - 700 Bbls. water - 45,000 lbs. Sand - 1500 Gals. 15% WELL FRACTURED MM - 200 lbs. J-98 - 400 lbs. J-84 - 30 Gals. Deterger - 40 Ball Sealers RESULT AFTER TREATMENT Estimated 3,500 M. - Shut In While still returning sand & fluid. ROCK PRESSURE AFTER TREATMENT_ Same Fresh Water. Salt Water. Feet Oil, Gas or Water Hard or Soft Formation Color Top Bottom Depth Remarks Top Soil ាល Sand 35 43 10 Water 25 H.F. Slate & Shells 35 Coal 43 **H7** Slate & Shells 47 135 Coal 135 139 Slate & Shells 139 145 Sand 190 Slate & Shells 190 235 Sand 235 275 Slate & Shells 275 320 Sand 320 351 Slate & Shells . 351 390 Sand 390 438 Broken Sand 438 **474** Sand 474 679 PECEIVED Office of Oil and Gas Broken Sand 679 694 Sand 69h Water 740-750 H.F. Slate 875 890 FEB 1 7 2022 Broken Sand 890 940 Sand 940 1000 WV Department of Environmental Protection Red Rock 1000 1020 Slate & Shalls 1020 1106 Broken Sand 1106 1120 Slate 1120 1145 Line 1145 1172 Slate & Shells 1172 1184 Lime 1184 1194 Slate 1194 1214 (over)

Formation	Color	Hard or Soft	Top /:-	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Lime Injun Sand - Injun Sand - Slate & Shel Weir Sand - Slate & Shel Total Depth	Red 1s Broken 1s		1214 1352 1381 1410 1470 1485	1352 1381 1410 1470 1485 1548 1548	Gas Gas Gas	1306-15 Decreased 1352-62 1362-67	42 M. to 27 M. 99 M. 140 M.
					Gas Gas Gas	1367-77 1377-82 1382-88 Decreased	327 M. 436 M. 492 M.
			· · · .				
						1	RECEIVED of Oil and Ga
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	Date	Septe	mber l	4	, ₁₉ 62
	PARTAN G				, Owner
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WW-4A Revised 6-07

1) Date: February 9, 2	022		
2) Operator's Well Numb	er		
3) API Well No.: 47 -	039	 01887	

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

(a) Name	Blue Eagle Land, LLC C/O Dave Hancock	Name	Blackhawk Mining - Attn: Derrick Miller, Mining Engineer
Address	520 Forsythe Road, Suite 102	Address	250 West Main Street, Suite 2000
	Bristol, VA 24202-4341		Lexington, KY 40507
(b) Name		(b) Coal Ov	vner(s) with Declaration
Address		Name	Kinder Morgan
		Address	Diane D, Brown, CMI - Manager, Property Tax
	7		P.O. Box 4372
(c) Name		Name	Houston, TX 77210-4372
Address		Address	
Inspector	Terry Urban	(c) Coal Le	ssee with Declaration
Address	P.O. Box 1207	Name	Blackhawk Mining - Attn: Derrick Miller, Mining Engineer
	Clendenin, WV 25045	Address	250 West Main Street, Suite 2000
Telephone	304-549-5915		Lexington, KY 40507

- (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
- The plat (surveyor's map) showing the well location on Form WW-G.

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.

OFFICIAL SEAL MOTARY PUBLIC BTATE OF WEST VIRGINIA Phyllis A. Copley 144 Willard Circle Humbarn, WV 25526 My Commission Express September 16, 2023	The state of the s	Well Operator	77	- RECEIVED
	By:	Jeff Mast	Office of Oil and Gas	
	The state of the s	Its:	Director Technical Services	
		Address	414 Summers Street	FEB 1 7 2022
		Charleston, WV 25301	170 100	
		Telephone	304-543-6988	Environmental Protection

Subscribed and sworn bei	fore me this, 14th	day of Juhr	wary, 2027	
	- theles (a. Cosley	Notary Public	
My Commission Expires	September 16, 2023	J J		

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.

47-039-01887 18-5-113 4703901887



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FEB 17 2022

MV Department of Environmental Protection WW-9 (5/16)

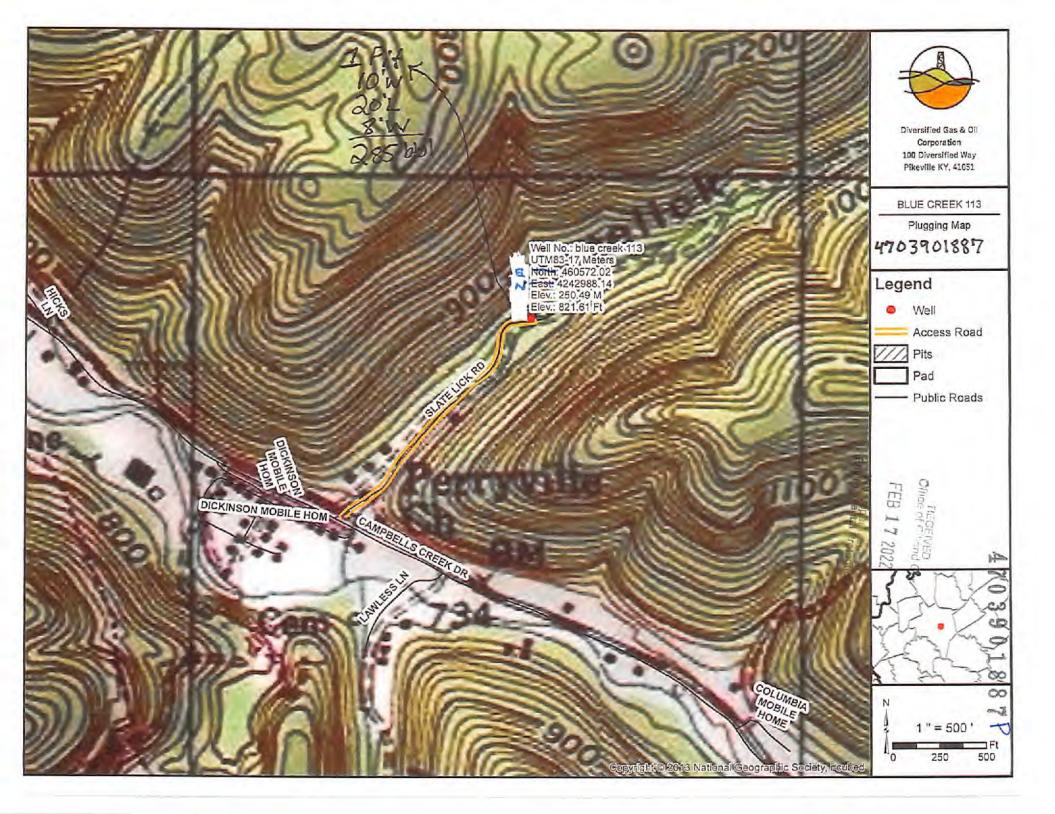
API Number	47 -	039		01887	
Operator's W			1. 12/2 2		

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Diversified Production, LLC	OP Code 494524121
Watershed (HUC 10) Slatelick Hollow Campbells Creek	Quadrangle Quick
Do you anticipate using more than 5,000 bbls of water to complet Will a pit be used? Yes No	te the proposed well work? Yes No
If so, please describe anticipated pit waste: Produced	fluid 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:	
Land Application (if selected provide	
Underground Injection (UIC Permit 1 Reuse (at API Number	Number_2003902327 002
Off Site Disposal (Supply form WW-	9 for disposal location)
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 o	ffsite, etc. N/A
-If left in pit and plan to solidify what medium will be u	sed? (cement, lime, sawdust) N/A
-Landfill or offsite name/permit number? N/A	
Permittee shall provide written notice to the Office of Oil and Ga West Virginia solid waste facility. The notice shall be provided where it was properly disposed.	s of any load of drill cuttings or associated waste rejected at any vithin 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Cas of the West Virgi provisions of the permit are enforceable by law. Violations of an or regulation can lead to enforcement action. I certify under penalty of law that I have personally application form and all attachments thereto and that, based on m	anditions of the GENERAL. WATER POLLUTION PERMIT issued nia. Department of Environmental Protection. I understand that the y term or condition of the general permit and/or other applicable law examined and am familiar with the information submitted on this y inquiry of those individuals immediately responsible for obtaining and complete. I am aware that there are significant penalties for mprisonment.
Company Official Signature	OFFICIAL SEAL NOTARY FUELIG
Company Official (Typed Name) Joff Mast	Phyllis A. Copley
Company Official Title Director Technical Services	144 Whiard Circle Hurricane, WV 25528 My Commission Explants September 18, 2023 3
Subscribed and swarn before me this Landay of	Notary Public Office of Oil and Ga

	ment: Acres Disturbed 1 +/-		
	Tons/acre or to correct to pF	0.0	
Fertilizer type	10-20-20 or equivalent		
Fertilizer amount_	l	bs/acre	
Mulch 2	Tons	/acre	
	Sec	ed Mixtures	
Te	mporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		
Maps(s) of road, location, porovided). If water from the L, W), and area in acres, of	pit will be land applied, provide	ication (unless engineered plans inclu water volume, include dimensions (L,	ding this info hav
provided). If water from the (L, W), and area in acres, of	pit will be land applied, provide of the land application area. Ilved 7.5' topographic sheet.	ication (unless engineered plans incluwater volume, include dimensions (L,	w, D) of the pit,
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	pit will be land applied, provide of the land application area. Ilved 7.5' topographic sheet.	water volume, include dimensions (L,	w, D) of the pit,
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of involved by:	pit will be land applied, provide of the land application area. Ilved 7.5' topographic sheet.	water volume, include dimensions (L,	w, D) of the pit,
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Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo Plan Approved by: Comments:	pit will be land applied, provide of the land application area. Alved 7.5' topographic sheet.	water volume, include dimensions (L,	w, D) of the pit,
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of involved by:	pit will be land applied, provide of the land application area. Alved 7.5' topographic sheet.	water volume, include dimensions (L,	w, D) of the pit,

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Office of Oil and Gas





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

WELL LO	CATION FURM: GFS	
_{API:} 47-039-01887	well no.: 1	8
FARM NAME: Union Carb	ide Corp.	
RESPONSIBLE PARTY NAME:	Diversified Producti	on LLC
COUNTY: Kanawha	_{DISTRICT:} Ma	lden
QUADRANGLE: Clendenin		
surface owner: Blue Ea	igle Land LLC	
ROYALTY OWNER: Enerve	st Operating LLC	
UTM GPS NORTHING: 42429		
UTM GPS EASTING: 460572	GPS ELEVAT	_{ION:} 821.61
height above mean sea le 2. Accuracy to Datum – 3.0 3. Data Collection Method:	or a plugging permit or assigned A as will not accept GPS coordinate :: 17 North, Coordinate Units: me vel (MSL) – meters. 5 meters	API number on the es that do not meet eters, Altitude:
Survey grade GPS: Post Pro		RECEIVED Cifice of Oil and Gas
Mapping Grade GPS X: Post	ime Differential X Processed Differential X	FEB 1 7 2022
	l-Time Differential	WV Department of Environmental Protection
4. Letter size copy of the to 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
Digitally signed by Austin Sutler Date: 2022.01.14 16:01:46	Sr. Proj. Manager	1/14/2022
Signature	Title	Date



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Plugging Vertical Well Work Permit (API: 47-039-01839 & 47-039-01887)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, May 3, 2022 at 9:38 AM

To: "Mast, Jeff" <jmast@dgoc.com>, Sallie Robinson <sallierobinson@kanawha.us>, "Urban, Terry W" <terry.w.urban@wv.gov>, Phyllis Copley <pcopley@dgoc.com>

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-039-01839 - A-2

47-039-01887 - 18 S 113

If you have any questions, then please contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

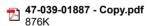
(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

3 attachments





47-039-01839 - Copy.pdf



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Fwd: Plugging Vertical Well Work Permit (API: 47-039-01839 & 47-039-01887)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, May 3, 2022 at 10:08 AM

To: Jeff Isner <isner_j@hotmail.com>, Trevor Schaffer <trevor.schaffer@pillarenergy.com>, Sallie Robinson <sallierobinson@kanawha.us>, "Urban, Terry W" <terry.w.urban@wv.gov>

I have attached a copy of the newly issued well permit number. This will serve as your copy.

47-039-01839 - A-2

47-039-01887 - 18 S 113

If you have any questions, then please contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

3 attachments



47-039-01887 - Copy.pdf 876K

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