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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, August 3, 2023  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 1  
47-079-00920-00-00

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:  
Farm Name: BURNS, ESTAL - HEIRS  
U.S. WELL NUMBER: 47-079-00920-00-00  
Vertical Plugging  
Date Issued: 8/3/2023

# 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

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1. 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.
2. Well work activities shall not constitute a hazard to the safety of persons.
3. 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.

08/04/2023

1) Date June 1, 2023  
2) Operator's  
Well No. BURNS ESTAL - HEIRS 1  
3) API Well No. 47-079-00920

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 722.21' Watershed Charley Creek  
District Curry County Putnam Quadrangle Hurricane 7.5'

6) Well Operator Diversified Energy 7) Designated Agent Chris Veazey  
Address 414 Summers Street Address P.O. Box 381087  
Charleston, WV 25301 Birmingham, AL 35238

8) Oil and Gas Inspector to be notified Name Joe Taylor  
Address 1478 Claylick Rd  
Ripley, WV 25271  
9) Plugging Contractor Name Next LVL Energy (Diversified Owned)  
Address 104 Helliport Loop Rd  
Bridgeport, WV 25330

10) Work Order: The work order for the manner of plugging this well is as follows:

**See Attached**



Oil and Gas  
JUN  
WV Department of  
Environmental Protection

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

Work order approved by inspector  Date 6-22-23

08/04/2023



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

Date: March 20, 1979

FORM IV-35  
(Obverse)

Operator's  
Well No. 1-S-198

(08-78)

WELL OPERATOR'S REPORT  
DRILLING, FRACTURING AND/OR STIMULATING OR PHYSICAL CHANGE

WELL TYPE: Oil  Gas  Liquid Injection  Waste Disposal

LOCATION: Elevation: 728.91 Watershed: Charleys Creek

District: Curry (2) County: Putnam Quadrangle: Hurricane 7-1/2

WELL OPERATOR: Spartan Gas Company (622) DESIGNATED AGENT: W. T. Ziebold

Address: P. O. Box 766 Address: P. O. Box 766  
Charleston, W.V. 25323 Charleston, W.V. 25323

PERMITTED WORK: Drill  Convert  Drill deeper  Redrill  Plug off old formation  Perforate new formation

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MAR 29 1979

Other physical changes in well (specify):

PERMIT ISSUED ON September 15, 1979 OIL & GAS INSPECTOR: Martin Nichols

(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING: VERBAL PERMISSION OBTAINED)

GEOLOGICAL TARGET FORMATION: Berea Depth: 2203-27 feet

Depth of completed well, 2293 feet Rotary  Cable Tools

Water strata depth: Fresh, 215 feet; salt, 1070 feet

Coal seam depths: None Is coal being mined in the area? No

Work was commenced September 26, 1978, and completed November 14, 1978

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	10 3/4	H-40	32.75			30'	none	Minds
Fresh water	8 5/8	J-55	24			428'	To surface	
Coal								Sizes
Intermediate	7"	J-55	20			1812'	none	
Production	4 1/2	J-55	10.5	ERW		2291'	237' fill up	Depth set
Tubing	2 3/8	J-55	4.7	EUE				
Liners								Perforations:
								2214 Top 2218 Bottom

OPEN FLOW DATA  
Producing formation: Berea Pay zone depth: 2208-2228 feet

Gas: Initial open flow, 10 Mcf/d Oil: Initial open flow, none Bbl/d

Final open flow, 40 Mcf/d Final open flow, none Bbl/d

Time of open flow between initial and final tests, 4 hours

Static rock pressure, 350 psig (surface measurement) after 384 hours shut in

[If applicable due to multiple completion--]  
Second producing formation: NA Pay zone depth: NA feet

Gas: Initial open flow, NA Mcf/d Oil: Initial open flow, NA Bbl/d

Final open flow, NA Mcf/d Final open flow, NA Bbl/d

Time of open flow between initial and final tests, NA hours

Static rock pressure, NA psig (surface measurement) after NA hours shut in

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08/04/2023



[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated from 2214' to 2218' with 4 shots/ft (11-1-78). Stage breakdown with 1000 gal. of 15% HF acid. Average treating rate was 7 bbl/min at 2400 PSI with 1700 instant shut-in pressure. (11-6-78) Fractured with 595 BBL of gelled water, 6500 lbs. of 80/10 Sand, 30,000 lbs. of 20/40 sand, and 500 gal. of 15% HCL acid at an average treating rate of 12 BBL/min, with an average pressure of 1575 PSI and instant shut-in of 1700 PSI (11-6-78)

WELL NO. 100  
 CHARLESTON, W.V. 25323  
 CHARLESTON, W.V. 25323

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks
Surface			0	30	
Red Rock			30	70	
Sand			70	80	
Red Rock			80	100	
Slate			100	167	
Red Rock			167	180	
Slate			180	220	Water @ 215' +/- 1/2 Barrel/Hour
Red Rock			220	235	
Slate			235	250	
Red Rock			250	275	
Slate			275	285	
Sand			285	300	
Slate			300	430	
Sand			430	445	
Slate			445	510	
Sand			510	600	
Slate			600	610	
Sand			610	750	
Slate			750	860	
Sand			860	935	
Slate			935	1035	
Slate & Shells	none	soft	1035	1070	Water @ 1070' +/- 1/2 Full
Salt Sand			1070	1382	
Slate			1382	1433	
Sand			1433	1517	
Big Lime			1517	1622	
Slate		soft	1622	1626	
Big Lime		hard	1626	1710	
Injun Sand		hard	1710	1772	
Slate			1772	1796	
Slate - Shells			1796	2191	
Brown Shale			2191	2203	
Berea			2203	2227	
Slate			2227	2293	
T. D.				2293	

(Attach separate sheets to complete as necessary)

Spargan Gas Company  
 Well Operator  
 By: *William*  
 Engineer

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NOTE: Regulation 2.02(l) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

08/04/2023



## Plugging Prognosis

API #: 470790920

West Virginia, Kanawha Co.

### Casing Schedule:

10-3/4" csg @ 30' (no cement data)

8-5/8" csg @ 428 (cement to surface)

4-1/2" csg @ 2291' (cement top 2064')

TD @ 2293'

Completion: Perforated: 2214'-2218'

Fresh Water: 215'

Salt Water: 1070'

Gas Shows: None listed

Oil Shows: None listed

Coal: None listed

Elevation: 729'



1. Notify Inspector Joe Taylor @ 304-380-7469, 48 hrs prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. Check TD w/ wireline and run CBL log.
4. TIH w/ tbg to 2218. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel. Pump 104' C1A cement plug from **2218' to 2214' (completion plug)**. Tag TOC. Top of as needed.
5. TOOH w/ tbg to 2214'. Pump 6% bentonite gel from 2214' to 1120'.
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 list below. Perforate as needed.**
7. TOOH w/ tbg to 1120'. Pump 100' C1A cement plug from **1120' to 1020' (Saltwater plug)**.
8. TOOH w/ tbg to 1020'. Pump 6% bentonite gel from 1020' to 779'.
9. TOOH w/ tbg to 779'. Pump 100' C1A cement plug from **779' to 679' (Elevation plug)**.
10. TOOH w/ tbg to 679'. Pump 6% bentonite gel from 679' to 478'.
11. TOOH w/ tbg to 478'. Pump 100' C1A cement plug from **478' to 378' (8-5/8" csg shoe plug)**.
12. TOOH w/ tbg to 378'. Pump 6% bentonite gel from 378'- 265'
13. Free point 8-5/8" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 90' in/out of cut.  
**Do not omit any plugs list below. Perforate as needed.**
14. TOOH w/ tbg to 265'. Pump 265' C1A cement plug from **265'- surface (Freshwater and Surface plug)**.
15. Reclaim well site and erect plugging monument to WV DEP specifications.

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Office of Oil, Gas

JUN 28 2023

WV Department of  
Environmental Protection

08/04/2023

1) Date: 6/1/2023  
2) Operator's Well Number BURNS ESTAL - HEIRS 1  
3) API Well No.: 47 - 079 - 00920

**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>David L. Hill and Pamela Hill</u>	Name <u>None Reported</u>
Address <u>P. O. Box 506</u>	Address _____
<u>Hurricane, West Virginia 25526</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>David L. Hill and Pamela Hill</u>
_____	Address <u>P. O. Box 506</u>
(c) Name _____	<u>Hurricane, West Virginia 25526</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Rd</u>	Name <u>None Reported</u>
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>304-380-7469</u>	_____

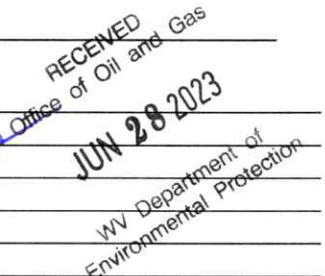
**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (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.

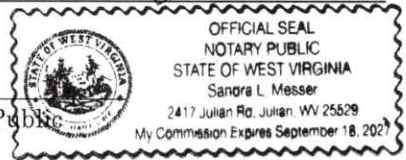
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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 Diversified Energy  
 By: Chris Veazey  
 Its: Permitting Supervisor  
 Address 414 Summers Street  
Charleston, WV 25301  
 Telephone 304-590-7707



Subscribed and sworn before me this 1st day of June 2023  
Sandra L. Messer  
 My Commission Expires Sept. 18, 2027

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](mailto:depprivacyofficer@wv.gov).

08/04/2023



7006 3450 0000 2428 1640



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Postage	\$	W112	jsb
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$		

7006 3450 0000 2428 1640  
 Sent to **David and Pamela Hill**  
 Street Address: **PO Box Soc**  
 City, State, ZIP+4: **Harrison, WV 25520**  
 PS Form 3800, August 2006 See Reverse for Instructions

**First Class Mail**

**SENDER: COMPLETE THIS SECTION**

- 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.

1. Article Addressed to:  
**David & Pamela Hill**  
**PO Box Soc**  
**Harrison, WV 25520**

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature  Agent  Addressee
- X** Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type  Express Mail
- Certified Mail  Registered  Return Receipt for Merchandise
- Insured Mail  C.O.D.
4. Restricted Delivery? (Extra Fee)  Yes  No

2. Article Number **7006 3450 0000 2428 1640**  
*(Transfer from service label)*  
 PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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**JUN 28 2023**  
 WV Department of  
 Environmental Protection

08/04/2023





**DIVERSIFIED**  
energy

Date: 6/1/2023

James Martin  
Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
(304)926-0450

Mr. Martin,

Due to our cement provider, LaFarge Holcem, discontinuing the manufacturing of Class A cement, DGOC will be utilizing Class L cement to plug the following well:

API Number 4707900920 Well Name BURNS ESTAL - HEIRS 1

Attached is the approved variance order for use of Class L cement.

Sincerely,

*Chris Veazey*  
Chris Veazey  
Permitting Supervisor  
304-590-7707

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Office of Oil and Gas  
JUN 28 2023  
WV Department of  
Environmental Protection



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
Phone (304) 926-0450

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

**BEFORE THE OFFICE OF OIL AND GAS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM )  
LEGISLATIVE RULE 35CSR4 )  
SECTION 14.1. AND LEGISLATIVE RULE )  
35CSR8 SECTION 20.1, )  
RELATING TO THE CEMENTING )  
OF OIL AND GAS WELLS )**

**ORDER NO. 2022-13**

**REPORT OF THE OFFICE**

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

**FINDINGS OF FACT**

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

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Office of Oil and Gas  
Request from  
JUN 28 2023  
Department of  
Environmental Protection  
West Virginia

Promoting a healthy environment.

08/04/2023



4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

### CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

### ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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



James Martin, Chief  
Office of Oil and Gas

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

Operator Name Diversified Energy OP Code 494524121

Watershed (HUC 10) Charley Creek Quadrangle Hurricane 7.5'

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: Production 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 a completed form WW-9-GPP)
- \* Underground Injection ( UIC Permit Number 2D03902327 002 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

Will closed loop system be 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 offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

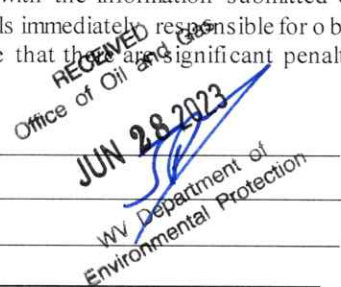
-Landfill or offsite name/permit number? N/A

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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.

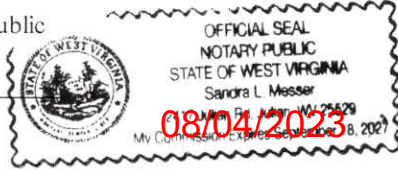
Company Official Signature [Signature]  
Company Official (Typed Name) Chris Veazey  
Company Official Title Permitting Supervisor



Subscribed and sworn before me this 1st day of June, 2023

Sandra L Messer Notary Public

My commission expires Sept. 18, 2027





Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or Equivalent

Fertilizer amount TBD lbs/acre

Mulch 2 Tons/acre

**Seed Mixtures**

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Joe Taylor

Comments: Sediment control in place at all times.

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Office of Oil and Gas  
JUN 28 2023  
WV Department of  
Environmental Protection

Title: OC Inspector Date: 6-22-23

Field Reviewed? (  ) Yes (  ) No

WW-7  
8-30-06



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

API: 4707900920 WELL NO.: BURNS ESTAL - HEIRS 1

FARM NAME: Estal Burns

RESPONSIBLE PARTY NAME: Diversified Energy

COUNTY: Putnam DISTRICT: Curry

QUADRANGLE: Hurricane 7.5'

SURFACE OWNER: David L. Hill and Pamela Hill

ROYALTY OWNER: None Reported

UTM GPS NORTHING: 4250737.94

UTM GPS EASTING: 409594.11 GPS ELEVATION: 722.21'

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  : 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.

Chris Veazey  
Signature

Chris Veazey - Permitting Supervisor  
Title

6/1/23  
Date

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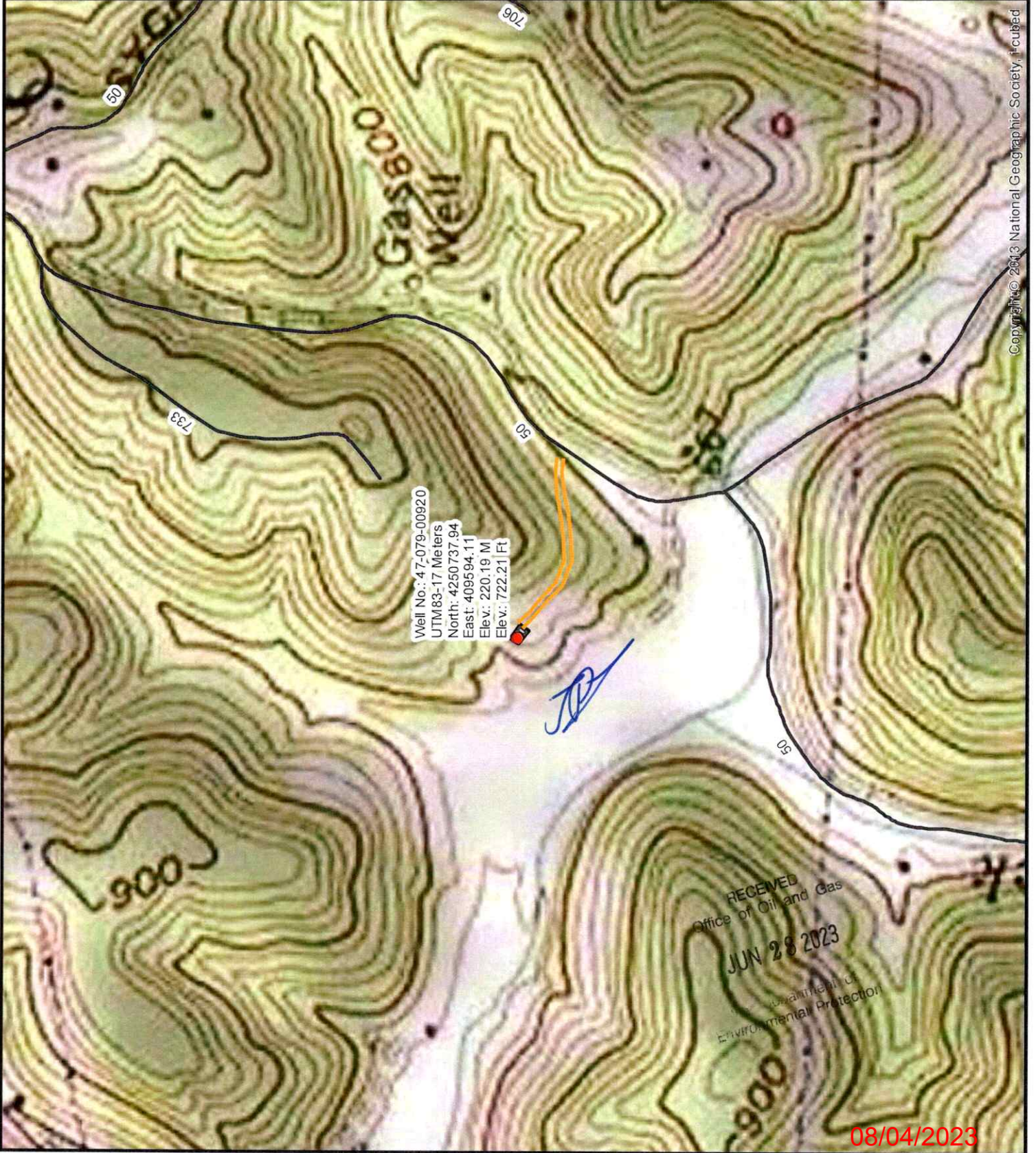
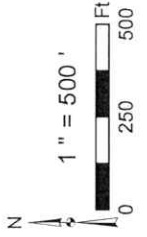
Diversified Gas & Oil Corporation  
 100 Diversified Way  
 Pikeville KY, 41051

47-079-00920

Plugging Map

**Legend**

-  Well
-  Access Road
-  Pits
-  Pad
-  Public Roads



Well No.: 47-079-00920  
 UTM 83-17 Meters  
 North: 4250737.94  
 East: 409594.11  
 Elev.: 220.19 M  
 Elev.: 722.21 Ft

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STATE OF WEST VIRGINIA

OIL & GAS DIVISION

DEPARTMENT OF MINES

DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES, Charleston, W. Va.

DATE September 14, 1978

Surface Owner: Estal Burns et al

Company SPARTAN GAS COMPANY

Address

Address P. O. Box 766, Charleston, WV

Mineral Owner: Same

Farm: Estal Burns Acres: 10 1/4

Address

Location (waters) Charleys Creek

Coal Owner: Same

Well No. 1 - S - 198 Elevation 728.91

Address

District DECURRY County Putnam

Coal Operator: None

Quadrangle Hurricane 7 1/2 Milton 15

Address

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 1-15-79

INSPECTOR

TO BE NOTIFIED

Martin Nichols

ADDRESS

Clendenin, W. Va.

PHONE

548-6993

Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated September 1, 1978 by Estal Burns et al made to Spartan Gas Company and recorded on the 11th day of Sept. 1978 in Putnam County, Book 60 Page 733

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE

OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor, and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, SPARTAN GAS COMPANY

(Sign Name) By: William T. Hald

Well Operator

P. O. Box 766

Street

Charleston

City or Town

West Virginia 25323

State

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS, DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331

Address

Well Operator

Charleston

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SECTION 3... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

PUT-920

PERMIT NUMBER

47-079

08/04/2023



**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

1-00  
 11-11-11

PROPOSED WORK ORDER TO X DRILL WELL TO DEEPEN FRACTURE STIMULATE  
 DRILLING CONTRACTOR: (If Known) SKREENS DRILLING COMPANY RESPONSIBLE AGENT:  
 NAME Skreens Drilling Company NAME W. T. Ziebold  
 ADDRESS Branchland, WV ADDRESS P. O. Box 766, Charleston,  
 TELEPHONE 824-5588 TELEPHONE 925-0317  
 ESTIMATED DEPTH OF COMPLETED WELL: 2,400 ROTARY X CABLE TOOLS X  
 PROPOSED GEOLOGICAL FORMATION: Berea  
 TYPE OF WELL: OIL X GAS X COMB. STORAGE DISPOSAL  
 RECYCLING WATER FLOOD OTHER

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT PIPES OR SACKS - CUBIC FT.
20-16			
1X-10		30'	
9-5/8			
8-5/8 Per		400'	To surface
7		None	
5 1/2			
4 1/2		2,400	400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS NA FEET SALT WATER NA FEET  
 APPROXIMATE COAL DEPTHS NA FEET

IS COAL BEING MINED IN THE AREA? No BY WHOM? W. T. Ziebold

TO DRILL: SUBMIT FIVE (5) COPIES OF OG-1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO-DRILL-DEEPER OR REDRILL: SUBMIT FIVE (5) COPIES OF OG-1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE STIMULATE: OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929: FIVE (5) COPIES OG-1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929: FIVE COPIES OG-1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

PLEASE SUBMIT COPIES OF ALL GEOLOGICAL LOGS DIRECTLY TO:

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for Skreens Drilling Company Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

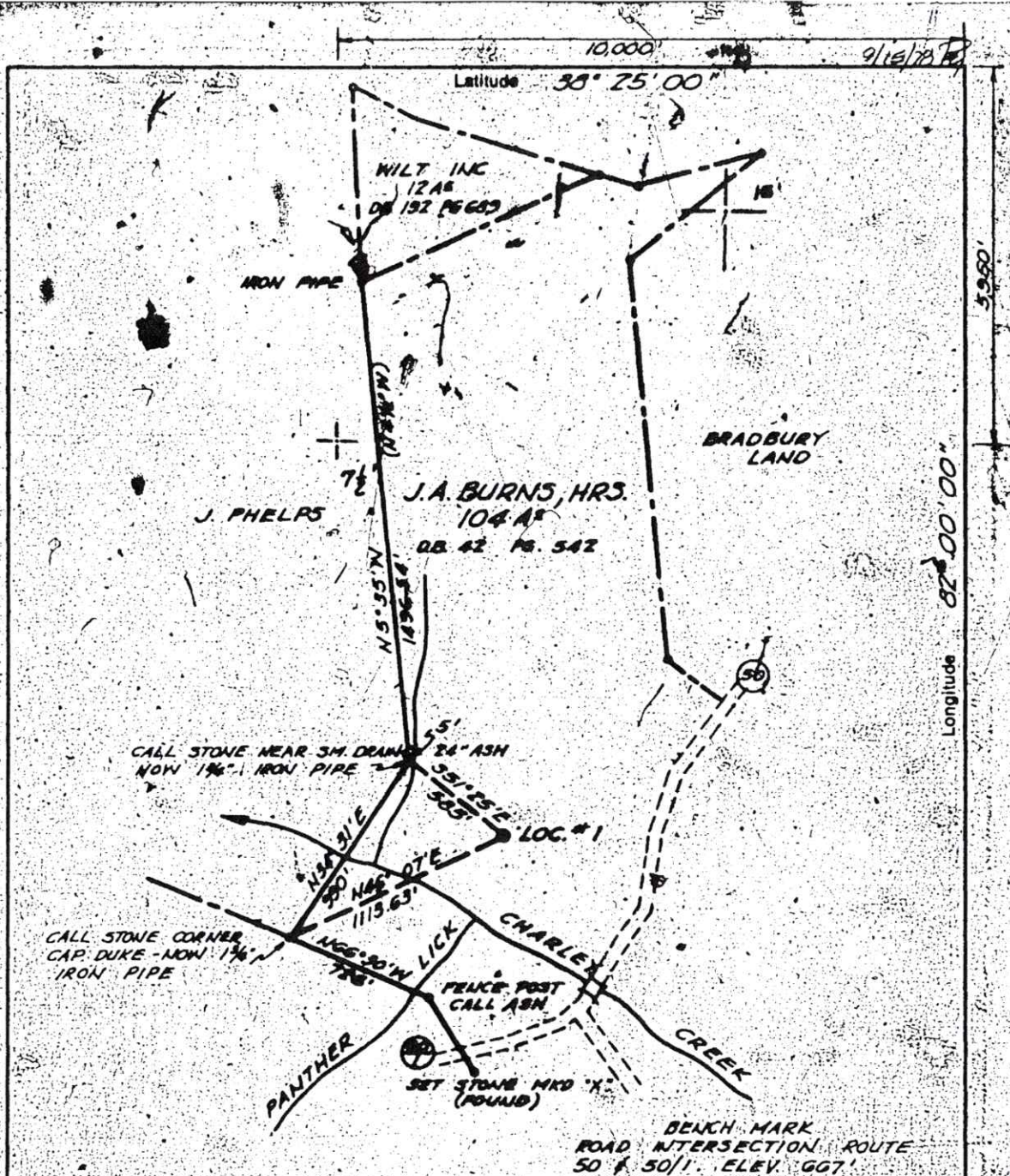
We the Skreens Drilling Company Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

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For Coal Company  
 Department of Environmental Protection  
 Official Titleholder

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- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by the rules and regulations of the oil and gas section of the mining laws of W. VA. Minimum degree of accuracy is one part in 200

SURVEYOR REG. NO. 253 Signed *Jarvis A. Chadenin*

Company SPARTAN GAS COMPANY  
 Address CHARLESTON, N. VA.  
 Farm J. A. BURNS, HRS.  
 Lease \_\_\_\_\_ Acres 104  
 Well Farm No. 1 Ser. No. 1-5-138  
 Elevation - Spirit Level 728.91'  
 Quadrangle HURRICANE, MILTON 15  
 Township or District CURRY  
 County PUTNAM  
 Sec., Lot, Qr. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Coordinates \_\_\_\_\_  
 File No. \_\_\_\_\_ Dwg. No. \_\_\_\_\_  
 Date SEPT. 13, 1978 Scale 1" = 600'

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 STATE OF WEST VIRGINIA  
 JUN 28 2023  
 (+) Denotes Values Of Well On United States Topographic Map  
 PUT - 920  
 Scale 15' □ 7 1/2' X  
 47-079

*JD*

08/04/2023

*21400' Burn*



RECLAMATION PLAN

WELL NO. 1 - S - 198

QUADRANGLE HURRICANE

SCALE 1" = 2,000'

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



COMPANY NAME SPARTAN GAS COMPANY

PERMIT NO. Put-920

FARM ESTAL BURNS

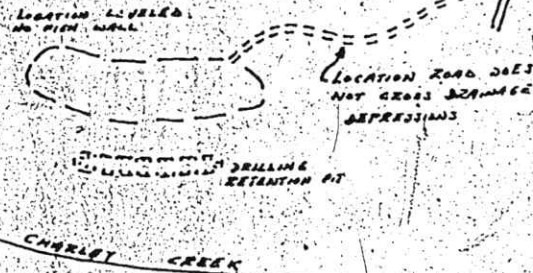
DISTRICT CURRY

COUNTY PUTNAM

STATEMENT OF RECLAMATION PLAN:

Well location road will be built from existing County hard surface road. Grade will be of even slope and crosses no drainage hollows or depressions. Location is on hillside with gentle slope and will be leveled with no high wall. A retention pit for cable tool cuttings will be built at a lower level. Entire road, location and pit area is in brush with no timber of any kind. For reclamation, pit will be filled, leveled and seeded. Location will be cleaned up, graded and seeded.

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.



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JUN 20 1978

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector.

Please indicate ( ) "YES" if the district inspector was present.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Submitted By: William T. J. [Signature]

Title Pres.

Date 9-15-78 08/04/2023

[Handwritten initials]



WW-4B

API No.	<u>4707900920</u>
Farm Name	<u>Estal Burns</u>
Well No.	<u>BURNS ESTAL - HEIRS 1</u>

**INSTRUCTIONS TO COAL OPERATORS  
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned coal operator  / owner  / lessee  / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_

Its \_\_\_\_\_

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**SURFACE OWNER WAIVER**

Operator's Well  
Number

BURNS ESTAL - HEIRS 1

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

**If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.**

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and survey plat,

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,  
ETC.

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Environmental Protection

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date  
**08/04/2023**

11/10/2016

PLUGGING PERMIT CHECKLIST  
4707900920

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
  
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied**
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME**
- CHECK FOR \$100 IF PIT IS USED**

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**DIVERSIFIED**  
energy

June 1, 2023

Joe Taylor  
1478 Claylick Rd.  
Ripley, WV 25271

Mr. Taylor,  
Please find enclosed a Permit Application to plug API# 47-079-00920, in Putnam County, WV.

If you have any questions, comments, or if you require additional information, please feel free to contact me at 304-590-7707.

Thank You,

*Chris Veazey*  
**Chris Veazey**  
Permitting Supervisor

**Diversified Energy Company**  
414 Summers St.  
Charleston, WV 25301  
(304) 590-7707  
Email: cveazey@dgo.com

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WV Department of  
Environmental Protection

414 Summers Street  
Charleston, WV 25301

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

---

## plugging permits issued 4707900380 4707900920

1 message

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

Thu, Aug 3, 2023 at 10:20 AM

To: Chris Veazey <CVeazey@dgoc.com>, Joseph D Taylor <joseph.d.taylor@wv.gov>, Austin Sutler <asutler@nexttlvenergy.com>, Phyllis Copley <pcopley@dgoc.com>, gwarner@wvassessor.com

To whom it may concern, plugging permits have been issued for 4707900380 07900920.


James Kennedy

WVDEP OOG

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### 2 attachments

 **4707900920.pdf**  
5937K

 **4707900380.pdf**  
3112K

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