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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)

Monday, November 14, 2022  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

DIVERSIFIED PRODUCTION LLC  
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for 1  
47-097-02253-00-00

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: 1  
Farm Name: JOHNSON, VIRGIL M.  
U.S. WELL NUMBER: 47-097-02253-00-00  
Vertical Plugging  
Date Issued: 11/14/2022

Promoting a healthy environment.

11/18/2022

## 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.

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### CONDITIONS

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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 September 29, 2022  
2) Operator's  
Well No. 1  
3) API Well No. 47-097 - 02253

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 1692 feet Watershed Sand Run of Buckhannon River  
District Union County Upshur Quadrangle Buckhannon
- 6) Well Operator Diversified Production LLC 7) Designated Agent Charles Shafer  
Address 414 Summers Street Address 414 Summers Street  
Charleston, WV 25301 Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Sam Ward Name Next LVL Energy  
Address P.O. Box 2327 Address 1951 Pleasantview Ridge Road  
Buckhannon, WV 26201 Ravenswood, WV 26164

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

See Attached

RECEIVED  
Office of Oil and Gas  
OCT 13 2022  
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 [Signature] Date 10/3/2022

11/18/2022

Production NGL Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709702253	Chesterfield Energy Corp.		1988	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Chesterfield Energy Corp.		1989	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Chesterfield Energy Corp.		1990	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Chesterfield Energy Corp.		1991	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Chesterfield Energy Corp.		1992	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Chesterfield Energy Corp.		1993	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Chesterfield Energy Corp.		1994	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		1995	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		1996	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		1997	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		1998	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		1999	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2000	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2001	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2002	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2003	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2004	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2005	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2006	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2007	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2008	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2009	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2010	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2011	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2012	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2013	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2014	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2015	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2016	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2017	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2018	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2019	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2020	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Stonewall Gas Co., Inc.		2021	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709702253	Consol Gas Company		2013	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2014	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2015	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2016	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2017	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2018	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2019	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2020	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2021	0	0	0	0	0	0	0	0	0	0	0	0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709702253	Consol Gas Company		2016	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2018	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2019	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2020	0	0	0	0	0	0	0	0	0	0	0	0
4709702253	Consol Gas Company		2021	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH	TOP_DEPTH	QUALITY	THICKNESS	THICKNESS	QUALITY	ELEV	DATUM
4709702253		Greenbrier Group	Well Record	1069	Reasonable	221	Reasonable	1693	Ground Level	1693	Ground Level
4709702253		Original Loc Big Lime	Well Record	1069	Reasonable	141	Reasonable	1693	Ground Level	1693	Ground Level
4709702253		Original Loc Big Lime (Gmbr)	Well Record	1210	Reasonable	80	Reasonable	1693	Ground Level	1693	Ground Level
4709702253		Original Loc Gantz	Well Record	1290	Reasonable	45	Reasonable	1693	Ground Level	1693	Ground Level
4709702253		Original Loc Riley	Well Record	2745	Reasonable	555	Reasonable	1693	Ground Level	1693	Ground Level
4709702253		Original Loc Benson	Well Record	3690	Reasonable	20	Reasonable	1693	Ground Level	1693	Ground Level
4709702253		Original Loc Elk	Well Record	5000	Reasonable	50	Reasonable	1693	Ground Level	1693	Ground Level

Wireline (E-Log) Information:

API	LOG_TOP	LOG_BOT	DEEPEST_FML	LOGS_AVAIL	SCAN	DIGITIZED	GR_TOP	GR_BOT	D_TOP	D_BOT	N_TOP	N_BOT	L_TOP	L_BOT	T_TOP	T_BOT	S_TOP	S_BOT	O_TOP	O_BOT	INCH2	INCH5	REDUCED	KOP	LOGMD	ELEV_KB	ELEV_GL	ELEV_DF	LOG
4709702253	1242	5311					1248	5305	1250	5311	1250	5306	1242	5305							Y	Y							

Downloadable Log Images/Data: We advise you to save the scanned log or digitized log file(s) to your PC for viewing. To do so, right-click the file of interest and select the save option. Then you can direct the file to a location of your choice. Please note the scanned log images vary in size and some may take several minutes to download.

**Scanned Logs**

**FILENAME**

4709702253bno\_h.tif  
 4709702253bndc.tif  
 4709702253bndf.tif  
 4709702253bndg.tif  
 4709702253bndh.tif

- Quick Reference Guide for Log File Names** For more info about WVGES scanned logs click [here](#)
- geologic log types:**
- d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
  - e photoelectric absorption (PE or Pe, etc.)
  - g gamma ray
  - i induction (includes dual induction, medium induction, deep induction, etc.)
  - l laterolog
  - m dipmeter
  - n neutron (includes neutron porosity, sidewall neutron-SWN, etc.)
  - o other<sup>1</sup>
  - s sonic or velocity
  - t temperature (includes borehole temperature, BHT, differential temperature, etc.)
  - z spontaneous potential or potential
- mechanical log types:**
- b cement bond
  - c caliper
  - o other<sup>1</sup>
  - p perforation depth control or perforate





# Basin Surveys, Inc.

Garner-Roy & Company Road

RUN NO.

35-2353-17

COMPANY The Chesterfield Corp.

WELL URBAIN M. & WESTON JOHNSON #2

FIELD Union District

COUNTY Upshur STATE W. VA

LOCATION: Backhannon, Quind

OTHER SERVICES:

Thank you!

PERMANENT DATUM Ground Level Elev. 1693

LOG MEASURED FROM TOP OF 4.5 CASING  
DRILLING MEASURED FROM RH

ELEVATIONS:  
KB. 1703  
DI. 1701  
OL. 1685

DATE 6-19-81

TYPE LOG Core

DEPTH-DRILLER Cement Road

DEPTH-LOGGER 5307

BOTTOM LOGGED INTERVAL 5292

TOP LOGGED INTERVAL 5290

TYPE FLUID IN HOLE H<sub>2</sub>O-Rc: D

SALINITY PPM CL. H<sub>2</sub>O-Rc: D

DENSITY LB./GAL. --

LEVEL FULL

MAX. REC. TEMP. - DEQ. F. --

OPR. RIG TIME 1 hr.

RECORDED BY J. Moran

WITNESSED BY Mr. Lee

LOCATION Rust, 030

RUN NO. 778

BORE HOLE RECORD BIT FROM 820.40 TO 570.7

CASING RECORD SIZE WGT. FROM TO

4 1/2 5.72

SOFT 5292

## EQUIPMENT DATA

RUN NO.	ONE	RUN NO.	760
TOOL MODEL NO.	NR	TOOL MODEL NO.	--
DIAM.	1.25"	DIAM.	1.25"
SPEED FT./MIN.	60	SPEED FT./MIN.	30
T. C. SEC.	1	T. C. SEC.	2
SCALE	1"	SCALE	60-210
Scale	3'		
GENERAL		REFERENCE LITERATURE:	
HOIST TRUCK NO.	R6-710		
INST. TRUCK NO.	11		
TOOL SERIAL NO.	11		

REMARKS:  
 NA: Information Not Available  
 Perforations: 1<sup>st</sup> stage 8267-8271(8)-8262-8264(4) (12)  
 2<sup>nd</sup> " 4868-4869-4802-4804-4797-4799 (12)  
 3<sup>rd</sup> " 3966-3970(2)  
 4<sup>th</sup> " 3537-3575-3536-3538-3539-3531

DEPTH

4709702253

PLUGGING PROGNOSIS

West Virginia, Upshur County  
API # 47-097-02253  
Lat/Long: 38.99030017, -80.15379657

Casing Schedule

20' Conductor Pipe  
8 5/8" csg @ 750' (cemented to surface)  
4 1/2" csg @ 5295' (cemented to 1401' w/ 280sx cmt)  
TD @ 5295' **5311'**

Completion: Perfs – 1451'-1457' (recomplete in 2000), Producing sands listed as 3300'(Riley); 3700'(Benson); 5050'(Elk)

Fresh Water: 200'  
Salt Water: None reported  
Coal: 310'  
Oil Show: None Reported  
Gas Show: 1977'; 3817'; 5021'  
Elevation: 1693'

RECEIVED  
Office of Oil and Gas  
OCT 13 2022  
WV Department of  
Environmental Protection

1. Notify inspector, Sam Ward @ 304-389-7583, 48 hrs. prior to commencing operations.
2. Tag TD w/ wireline and check TOC behind 4-1/2" csg.
3. Run in to depth @ 5050'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 129' Class A/Class L cement plug from 5050' to 4921' (Elk formation/gas show plug). Tag TOC. Top off as needed. ✓
4. TOOH w/ tbg to 4921'. Pump 6% bentonite gel from 4921' to 3817'. **4000'**
- 4a. PUMP CEMENT PLUG FROM **4800'** TO **4700'**. GEL TO **3950'**
5. TOOH w/ tbg to **3950'**. Pump 117' Class A/Class L Cement plug from **3950'** to **3833'** (Benson formation/gas show plug).
6. TOOH w/ tbg to **3600'**. Pump 6% bentonite gel from **3600'** to **3300'**
7. TOOH w/ tbg to **3300'**. Pump 100' Class A/Class L Cement plug from **3300'** to **3200'** (Riley formation plug)
8. TOOH w/ tbg to **3400'**. Pump 6% bentonite gel from **3200'** to 1977'
9. TOOH w/ tbg to 1977'. Pump 100' Class A/Class L Cement plug from 1977' to 1877' (gas show plug)
10. TOOH w/ tbg to 1817'. Pump 6% bentonite gel from 1817' to 1693'
11. TOOH w/ tbg to 1693'. Pump 100' Class A/Class L Cement plug from 1693' to 1593' (Elevation plug)
12. TOOH w/ tbg to 1593'. Pump 6% bentonite gel from 1593' to 1457'

SPW  
10/3/2022

11/18/2022

13. TOOH w/ tbg to 1457'. Pump 106' Class A/Class L Cement plug from 1457' to 1351' (recomplete formation plug)
14. TOOH w/ tbg to 1351'. Pump 6% bentonite gel from 1351' to 800'
15. Free point 4-1/2" csg. Cut and TOOH. Set 100' Class A/Class L cement plug across csg cut. 50' in/out of cut. **Do not omit any plugs listed below. Perforate as needed.**
16. TOOH w/ tbg to 800'. Pump 100' Class A/Class L Cement plug from 800' to 700' (8-5/8" csg shoe plug)
17. TOOH w/ tbg to 700'. Pump 6% bentonite gel from 700' to 360'
18. TOOH w/ tbg to 360'. Pump 360' Class A/Class L Cement plug from 360' to surface (Coal, Freshwater and surface plug)
19. Erect monument with API#, date plugged, & company name.
20. Reclaim location and road to WV-DEP specifications.

RECEIVED  
Office of Oil and Gas  
OCT 13 2022  
WV Department of  
Environmental Protection

SOW  
10/3/2022

11/18/2022



WR-35 RECEIVED  
Office of Oil & Gas  
Permitting  
JUL 12 2000  
Division of  
Environmental Protection

DATE: 6/30/00  
API#: 47 097 2253F

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

Reviewed \_\_\_\_\_

Well Operator's Report of Well Work

Farm name: Archie White Operator Well No.: Johnson #1 BEWORK

LOCATION: Elevation: 1693' Quadrangle: Buckhannon 7.5'

District: Union County: Upshur  
Latitude: 39 Feet South of 00 Deg. 00 Min.      Sec.  
Longitude: 80 Feet West of 07 Deg. 30 Min.      Sec.

Company: Dominion Exploratin & Production, In  
Dominion Appalachian Development, Inc.)

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: <u>Rodney J. Biggs</u>		<u>See Original</u>	<u>WR-35</u>	
Inspector: <u>Tim Bennett</u>				
Date Permit Issued: <u>3/15/00</u>				
Date Well Work Commenced:		<u>All existing</u>	<u>no changes</u>	
Date Well Work Completed: <u>6/9/00</u>				
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>N/A</u>				
Rotary Cable <input checked="" type="checkbox"/> Rig				
Total Depth (feet): <u>5305'</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/A)?				
Coal Depths (ft.): <u>N/A</u>				

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1451-1457'  
Gas: Initial open flow      MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 163 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 10 Hours  
Static rock Pressure 500 psig (surface pressure) after 4 Hours

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 \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Rodney J. Biggs  
By: Rodney J. Biggs, Desig. Agent  
Date: 7/10/00

4709702253P

COMPANY/WELL NO.: DOMINION-JOHNSON #1-10074

06/09/2000 PERFORATED AND FRACED AS FOLLOWS

BIG INJUN. 1451 - 1457, 16 HOLES, 274 BBLs, TOT SAND 19,000#

07/06/2000

06/10/2000 SICP = 250# O.F. = 42 MCF. SAND PUMPED TO 1530'. SOLID PLUG AT 1550'. WELL MAKING 100' FLUID EVERY HALF HOUR. SHOW OF SALT WATER

06/12/2000 SICP = 500# CLEANED OUT TO BRIDGE PLUG O.F. = 84 MCFD

11/18/2022



IV-35  
(Rev 8-81)

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date May 29, 1984  
Operator's  
Well No. Johnson #1 Well  
Farm \_\_\_\_\_  
API No. 47 - 097 - 2253

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

WELL TYPE: Oil \_\_\_ / Gas XX / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)

LOCATION: Elevation: 1695' Watershed Sand Run  
District: Union County Upshur Quadrangle Buckhannon 7.5'

COMPANY Oresterfield Energy Corporation  
ADDRESS 300 Professional Bldg., Clarksburg, WV 26301  
DESIGNATED AGENT Stanley W. Pickens, President  
ADDRESS 300 Professional Bldg., Clarksburg, WV 26301  
SURFACE OWNER Archie White, et al  
ADDRESS Rt. #4, Box 610, Buckhannon, WV 26201  
MINERAL RIGHTS OWNER Virgil M. Johnson  
ADDRESS Rt. #4, Box 344, Buckhannon, WV 26201  
OIL AND GAS INSPECTOR FOR THIS WORK \_\_\_\_\_  
ADDRESS \_\_\_\_\_

Casing Tubing	Used in Drilling	Left Drilling	Cement fill up Gas Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8	750'	750'	Circulate to surface
7			
5 1/2			
4 1/2		5295'	
3			
2			
Liners used			

PERMIT ISSUED \_\_\_\_\_  
DRILLING COMMENCED June 3, 1981  
DRILLING COMPLETED June 11, 1981  
IF APPLICABLE: PLUGGING OF DRY HOLE OR  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

GEOLOGICAL TARGET FORMATION: Riley, Benson, Elk Depth \_\_\_\_\_ feet  
Depth of completed well 5311' feet Rotary \_\_\_ / Cable Tools \_\_\_  
Water strata depth: Fresh 200 feet; Salt \_\_\_\_\_ feet  
Coal seam depths: 310' Is coal being mined in the area? \_\_\_\_\_

OPEN FLOW DATA

Producing formation Riley Pay zone depth 3522'-3540' feet  
Gas: Initial open flow 75 Mcf/d Oil: Initial open flow \_\_\_\_\_ Ebl/d  
Final open flow 750 Mcf/d Final open flow \_\_\_\_\_ Ebl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1725 psig (surface measurement) after 72 hours shut in  
(If applicable due to multiple completion--)

Second producing formation Benson Pay zone depth 3650'-3672' feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Ebl/d  
"COMINGLED WITH FIRST STAGE"  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Ebl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

Third Pro. Form. 1st Elk Depth 4194'-4216'  
(Continue on reverse side)

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

Riley 15,000# 80/100 25,000# 20/40  
510 BBLs Sand Laden Fluid  
Benson 20,000# 80/100 40,000# 20/40  
590 BBLs Sand Laden Fluid  
1st Elk 20,000# 80/100 40,000# 20/40  
600 BBLs Sand Laden Fluid

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
K.B. - G.L.			0	90	
Coal			90	361	2" stream water @ 200'
Sand			361	487	Coal @ 310'
Sand & Shale			487	585	
Sand			585	684	
Shale			684	1264	
Big Lime			1264	1348	
Injun			1348	1452	
Sand & Shale			1452	1600	
Gantz			1600	1630	
Sand			1630	2056	Gas Ck @ 1977' 40/10-1" FM H2O
Fourth Sand			2056	2080	
Sand & Shale			2080	2148	
Fifth Sand			2148	2182	
Shale			2182	2383	
Elizabeth			2383	2392	
Sand & Shale			2392	2860	
Shale			2860	3522	
Riley			3522	3540	
Shale			3540	3650	
Benson			3650	3672	
Sand & Shale			3672	3956	Gas Ck @ 3817' 30/10-1" FM H2O
Alexander			3956	3993	
Shale			3993	4194	
Elk			4194	4216	
Sand & Shale			4216	4395	
Haverty			4395	4448	
Sand & Shale			4448	4788	
Shale			4788	5250	Gas Ck @ 5021' 60/10-1" FM H2O
Fox			5250	5265	
Shale			5265	5311	
TD			5311		

(Attach separate sheets as necessary)

Chesterfield Energy Corporation  
Well Operator

By: Stanley N. Pickens  
Date: May 29, 1964

Note: Regulation 2.02(i) 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."



4709702253 P

47-097-02253

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Buckhannon 7.5'

Permit No. 47-097-2253

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company <u>The Chesterfield Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>310 Professional Bldg., Clarksburg, WV</u>				
Farm <u>Virgil M. Johnson</u> Acres <u>5.1</u>	Size			
Location (waters) <u>Sand Run</u>	20-16			
Well No. <u>1</u> Elev. <u>1692'</u>	Cond.			
District <u>Union</u> County <u>Upshur</u>	13-10"			
The surface of tract is owned in fee by <u>Archie White, et. al.</u>	9 5/8			
Address <u>Rt. 4 Box 610, Buckhannon, WV 26211</u>	8 5/8	<u>750'</u>	<u>750'</u>	<u>Circulate to Surface @ 5/8</u>
Mineral rights are owned by <u>Virgil M. Johnson</u>	7			
Address <u>Rt. 4 Box 354, Buckhannon, WV</u>	5 1/2			
Drilling Commenced <u>6/3/81</u>	4 1/2	<u>5295'</u>	<u>5295'</u>	<u>280 sks</u>
Drilling Completed <u>6/17/81</u>	3			
Initial open flow <u>750,000</u> cu. ft. <u>0</u> bbls.	2			
Final production <u>75,000</u> cu. ft. per day <u>0</u> bbls.	Liners Used			
Well open <u>3</u> hrs. before test <u>1,725</u> RP.				

Well treatment details:

Attach copy of cementing record.

<u>Riley</u>	<u>510</u> BBLS.	<u>15,000#</u> - <u>80-100</u>	<u>25,000#</u> -
<u>Benson</u>	<u>590</u> BBLS.	<u>20,000#</u> - <u>80-100</u>	<u>40,000#</u> - <u>20-40</u>
<u>1st Elk</u>	<u>600</u> BBLS.	<u>20,000#</u> - <u>80-100</u>	<u>40,000#</u> - <u>20-40</u>

Coal was encountered at 310 Feet \_\_\_\_\_ Inches  
Fresh water 4 in, 200 ft. Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet 0  
Producing Sand Riley, Benson, Elk Depth Riley-3300', Benson-3700', Elk-5050'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
K. B. - G. L.			0	90		
Coal			90	361		
Sand			361	487		2" H2O 200' Fresh
Sand & Shale			487	585		
Sand			585	684		Ch. Gas @ 1977 40/10
Shale			684	1069		
Lime			1069	1210		
Injun			1210	1290		
Gantz			1290	1335		
Sand & Shale			1335	1826		Ch. Gas @ 3817 30/10 1" FM H2O
Sand			1826	1987		
Sand			1987	2745		
Riley			2745	3300		Ch. Gas @ 5021 60/10 1" FM H2O
Benson			3300	3700		
Sand & Shale			3700	3830		
Sand			3830	4130		
Elk			4130	5050		

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SPW  
10/3/2022

\* Indicates Electric Log tops in the remarks section.

WW-4A  
Revised 6-07

1) Date: September 29, 2022  
2) Operator's Well Number  
1

3) API Well No.: 47 - 097 - 02253

**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:  
(a) Name Kenneth David Rice  
Address 2034 Kesling Mill Road  
Buckhannon, WV 26201  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Sam Ward  
Address P.O. Box 2327  
Buckhannon, WV 26201  
Telephone 304-389-7583

5) (a) Coal Operator  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Carl J. Martin, II  
Address 1956 Turkey Run Road  
Buckhannon, WV 26201  
(c) Coal Lessee with Declaration  
Name No Declaration  
Address \_\_\_\_\_

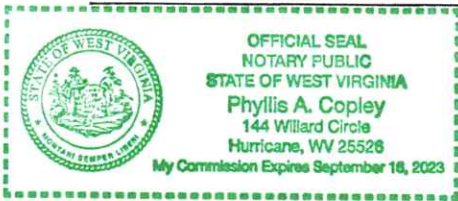
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Environmental Protection

**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 Production, LLC  
By: Austin Suller *Austin Suller*  
Its: Plugging Manager  
Address 414 Summers Street  
Charleston, WV 25301  
Telephone 304-419-2562

Subscribed and sworn before me this 29th day of September, 2022  
Phyllis A. Copley Notary Public  
My Commission Expires September 16, 2023

**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).



10/5/2022

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:

47-097-02253          Johnson 1

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

Sincerely,

Austin Sutler  
Asset Retirement Manager

RECEIVED  
10/13/2022

gwm



To Whom it May Concern,

Attached is an amendment that has been submitted to Chief of the office of oil and gas of the West Virginia Department of Environmental Protection. The subject well is listed within the letter to the Chief.

Thank You.

7022 1670 0001 8750 5535

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**Total** \$ \_\_\_\_\_

**Sent** \$ \_\_\_\_\_

**Street** \_\_\_\_\_

**City** \_\_\_\_\_

PS Form 3800, April 2016 PSN 7530-01-000-9047 See reverse for instructions

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 Kenneth David Rice  
 2034 Kesling Mill Road  
 Buckhannon, WV 26201

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**City** \_\_\_\_\_

PS Form 3800, April 2016 PSN 7530-01-000-9047 See reverse for instructions

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**Well 1 47-097-02253**  
 Carl J. Martin, II  
 1956 Turkey Run Road  
 Buckhannon, WV 26201






---

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**

<b>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</b>	) ) ) ) ) ) )	<b>ORDER NO. 2022-13</b>
--	---------------------------------	--------------------------

**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.

**Promoting a healthy environment.**

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

4709702253

WW-4A  
Revised 6-07

1) Date: September 29, 2022  
2) Operator's Well Number  
1

3) API Well No.: 47 - 097 - 02253

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>Kenneth David Rice</u>	Name <u>None</u>
Address <u>2034 Kesling Mill Road</u>	Address _____
<u>Buckhannon, WV 26201</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Carl J. Martin, II</u>
_____	Address <u>1956 Turkey Run Road</u>
_____	<u>Buckhannon, WV 26201</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name <u>No Declaration</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</u>	_____

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Well Operator Diversified Production, LLC  
 By: Austin Suller *Austin Suller*  
 Its: Plugging Manager  
 Address 414 Summers Street  
Charleston, WV 25301  
 Telephone 304-419-2562

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Office of Oil and Gas

Subscribed and sworn before me this 29th day of September, 2022  
Phyllis A. Copley Notary Public  
 My Commission Expires September 16, 2023

SEP 30 2022

WV Department of  
Environmental Protection

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).

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<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

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Total P \$ \_\_\_\_\_

Sent To **Well 1 47-097-02253**

Street Kenneth David Rice

City, St 2034 Kesling Mill Road  
Buckhannon, WV 26201

PS Form 3800, June 2019 See reverse for instructions

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Total P \$ \_\_\_\_\_

Sent To **Well 1 47-097-02253**

Street Carl J. Martin, II

City, St 1956 Turkey Run Road  
Buckhannon, WV 26201

PS Form 3800, June 2019 See reverse for instructions

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4709702253P

WW-9  
(5/16)

API No. 47 097 02253  
Operator's Well No. Well 1

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) Sand Run of Buckhannon River Quadrangle Buckhannon

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: 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 a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number 2D08300792002)
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

*SDW*  
*10/3/2022*

Will closed loop system be used? If so, describe: \_\_\_\_\_

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. \_\_\_\_\_

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? \_\_\_\_\_

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. \_\_\_\_\_

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

-Landfill or offsite name/permit number? \_\_\_\_\_

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 *Austin Sutler*  
Company Official (Typed Name) Austin Sutler  
Company Official Title Plugging Manager



Subscribed and sworn before me this 29<sup>th</sup> day of September, 2022

*Phyllis A. Copley* Notary Public

My commission expires September 16, 2023

11/18/2022

Proposed Revegetation Treatment: Acres Disturbed 1 +/- Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 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: [Signature]

Comments:

RECEIVED Office of Oil and Gas OCT 13 2022

WV Department of Environmental Protection

Title: OOG Inspector

Date: 10/13/2022

Field Reviewed? ( ) Yes ( X ) No



**DIVERSIFIED**  
energy  
100 Diversified Way  
Pikeville, KY, 41051

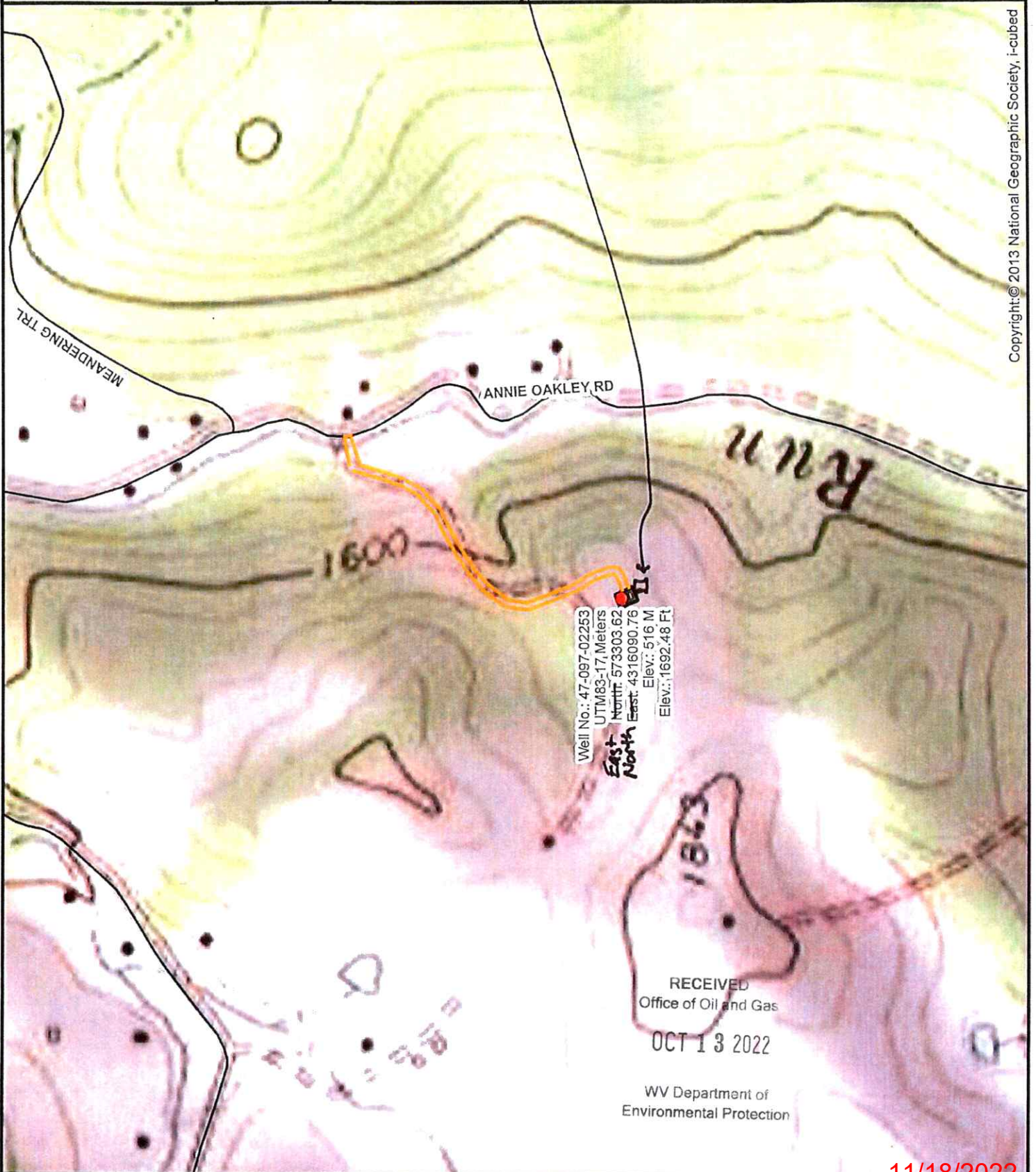
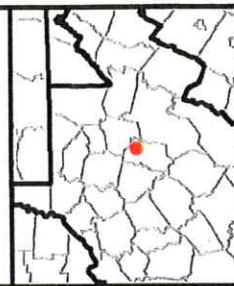
47-097-02253

Plugging Map

**Legend**

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

1 Pit  
10' W  
20' L  
8' D  
285 bbl



Well No.: 47-097-02253  
UTM83-17, Meters  
North: 573303.62  
East: 4316090.76  
Elev.: 516 M  
Elev.: 1692.48 Ft

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Office of Oil and Gas  
OCT 13 2022

WV Department of  
Environmental Protection

11/18/2022

4709702253P

WW-7  
8-30-06



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

API: 4709702253 WELL NO.: #1  
FARM NAME: Johnson 1  
RESPONSIBLE PARTY NAME: Diversified Production LLC  
COUNTY: Upshur DISTRICT: Union  
QUADRANGLE: Buckhannon  
SURFACE OWNER: Kenneth David Rice  
ROYALTY OWNER: Diversified ABS II LLC  
UTM GPS NORTHING: 4316090.76  
UTM GPS EASTING: 573303.62 GPS ELEVATION: 1692'

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

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OCT 13 2022

WV Department of  
Environmental Protection

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.

  
Digitally signed by Austin Suttler  
Date: 2022.08.10 12:02:55  
-04'00'  
Signature

Asset Retirement Manager  
Title

8/10/2022  
Date

11/18/2022





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

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## plugging permit issued 4709702253

1 message

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

Mon, Nov 14, 2022 at 1:47 PM

To: Samuel D Ward <samuel.d.ward@wv.gov>, Austin Sutler <asutler@dgoc.com>, Phyllis Copley <pcopley@dgoc.com>, dwzickefoose@upshurcounty.org


To whom it may concern, a plugging permit has been issued for 4709702253.


James Kennedy

WVDEP OOG

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### 2 attachments

 **ir-8 4709702253.pdf**  
13K

 **4709702253.pdf**  
4578K

11/18/2022