



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

Thursday, June 15, 2023
WELL WORK PLUGGING PERMIT
Vertical Plugging

UNKNOWN - DEP PAID PLUGGING CONTRACT
601 57TH STREET

CHARLESTON, WV 25304

Re: Permit approval for 1-8412
47-007-01912-00-00

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: 1-8412
Farm Name: NOTTINGHAM, RAYMOND
U.S. WELL NUMBER: 47-007-01912-00-00
Vertical Plugging
Date Issued: 6/15/2023

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

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.

1) Date May 11, 2023
2) Operator's
Well No. Raymond Nottingham Lease No. 8412
3) API Well NO. 47-007 - 01912

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 X / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow X
- 5) Location: Elevation 1004' Watershed Tributary of Duck Creek
District Birch County Braxton Quadrangle Strange Creek 7.5'
- 6) Well Operator Unknown- WV DEP Paid Plugging Contract 7) Designated Agent Jason Harmon
Address 601 57th Street, SE Address 601 57th Street, SE
Charleston, WV 25304 Charleston, WV 25304
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Jeremy James Name Next LVL Energy
Address P.O. Box 36 Address 104 Heliport Loop
Clendenin, WV 25045 Bridgeport, WV 26330

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

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Office of Oil and Gas
MAY 19 2023
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 5-16-23

06/16/2023

NW N NE E
330 0 30 60 90

☉ 21°N (T) LAT: 38.620514 LON: -80.952973 ±13ft ▲ 1005ft



47-007-1912

#9396
10 Apr 2023 06:16:03



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Chloe
Permit No. 47-015-1912

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Stonestreet Lands Company
Address P.O. Box 350 Spencer, W.Va.
Farm Reed-Jarvis Acres 69
Location (waters) Stinson
Well No. 2-S-59 Elev 1049
District Otter County Clay
The surface of tract is owned in fee by _____
Jennie Cunningham
Address Stumptown, W.Va.
Mineral rights are owned by William Reed etal
Address Arizona
Drilling Commenced 4-17-81
Drilling Completed 4-21-81
Initial open flow 0 cu. ft. 0 bbls.
Final production 620,000 cu. ft. per day 0 bbls.
Well open 5 hrs. before test 575 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			60 sks
Cond. 13-10"			
9 5/8	200	200	
8 5/8			70 sks rfc
7			
5 1/2		2190	
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

J-2E6 Gell 350 lbs. 20/40 sand 30,000 lbs
W-22 Anti sludging 36 gals. L-53 clay control agent 20 gals.
F-78 Ezeflo surfactant 8 gals. acid 15% HCL 2000 Gals. 500 bbls. water
A-200 Inhibitor 4 gals.

Coal was encountered at None Feet _____ Inches _____
Fresh water 65 Feet _____ Salt Water _____
Producing Sand Big Injun Depth 2162

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MAY 10 2023

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Not recorded			0	1000	0 to 1000 not recorded	continued on the back
Shale			1000	1062		
Sand & Shale			1062	1112		
Shale			1112	1114		
Sand & Shale			1114	1136		
Shale			1136	1328		
Sand & Shale			1328	1416		
Shale			1416	1476		
Sand & Shale			1476	1492		
Shale			1492	1502		
Sand & Shale			1502	1526		
Shale			1526	1588		
Sand & Shale			1588	1604		
Shale			1604	1682		
Sand & Shale			1682	1710		
Shale			1710	1730		
Sand & Shale			1730	1744		
Shale			1744	1792		
Salt sand			1792	1876		
Shale			1876	1916		
Salt sand			1916	1966		
Shale			1966	1982		
Big Lime			1982	2068		
Big Injun			2068	2162		
Shale			2162	2223		

Clay - 1912

TD

06/16/2023

Formation	Color	Start or End	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Clay			0	20		
Sand & Shale			20	60		
Red Rock			60	125		
Sand & shale			125	159		
Red Rock			159	190		
Sand & Shale			190	230		
Red Rock			230	260		
Sand & Shale			260	290		
Red Rock			290	330		
Sand & Shale			330	360		
Red Rock			360	410		
Sand & Shale			410	450		
Red Rock			450	470		
Sand & Shale			470	520		
Red Rock			520	575		
Sand & Shale			575	601		
Red Rock			601	650		
Sand & Shale			650	680		
Shale			680	720		
Sand & Shale			720	760		
Shale			760	790		
Sand & Shale			790	830		
Shale			830	870		
Sand & Shale			870	901		
Shale			901	946		
Sand & Shale			946	1000		

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MAY 19 2023
WV Department of
Environmental Protection

August 26, 19 81

APPROVED

General Manager

XXXX

06/16/2023

Plugging Prognosis

API #: 4700701912

West Virginia, Braxton Co.

Casing Schedule:

11-3/4" csg @ 459' (cemented to surface w/ 280 sx)

4-1/2" csg @ 4862' (cemented to surface w/ 425 sx)

No tbg listed

TD @ 4973'

Completion: 3670'-75'; 4140'-45'; 4400'-05'; 4770'-75"

Fresh Water: 360'

Salt Water: 1580'

Gas Shows: 1790'; 1870'; 2450'; 2860'; 3304'; 4596'

Oil Shows: None listed

Coal: None listed

Elevation: 1028'

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MAY 19 2023
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Environmental Protection

1. Notify Inspector Jeremy James @ 304-951-2596, 48 hrs prior to commencing operations.
2. Check and record pressures, kill well as needed.
3. If tbg in hole, pull tubing and lay down.
4. Check TD w/ wireline and run CBL for TOC behind 4-1/2".
5. Run in to depth @ 4775'. Kill well as needed with 6% bentonite gel and fill rat hole. Pump at least 10 bbls gel. Pump 475' C1A/Class L cement plug from 4775' to 4300' (Completion and gas show plug) Tag TOC. Top off as needed.
6. TOOH w/ tbg to 4300'. Pump 6% bentonite gel from 4300' to 4145'.
7. TOOH w/ tbg to 4145'. Pump 100' C1A/Class L cement plug from 4145' to 4045' (Completion and gas show plug).
8. TOOH w/ tbg to 4045'. Pump 6% bentonite gel from 4045' to 3675'.
9. TOOH w/ tbg to 3675'. Pump 100' C1A/Class L cement plug from 3675' to 3575' (Completion and gas show plug).
10. TOOH w/ tbg to 3575'. Pump 6% bentonite gel from 3575' to 3304'.
11. TOOH w/ tbg to 3304'. Pump 100' C1A/Class L cement plug from 3304' to 3204' (gas show plug).
12. TOOH w/ tbg to 3204'. Pump 6% bentonite gel from 3204' to 2860'.
13. TOOH w/ tbg to 2860'. Pump 100' C1A/Class L cement plug from 2860' to 2760' (gas show plug).
14. TOOH w/ tbg to 2760'. Pump 6% bentonite gel from 2760' to 2450'.
15. TOOH w/ tbg to 2450'. Pump 100' C1A/Class L cement plug from 2450' to 2350' (gas show plug).
16. TOOH w/ tbg to 2350'. Pump 6% bentonite gel from 2350' to 1870'.
17. TOOH w/ tbg to 1870'. Pump 340' C1A/Class L cement plug from 1870' to 1530' (gas show plug).
18. TOOH w/ tbg to 1530'. Pump 6% bentonite gel from 1530' to 1078'.
19. TOOH w/ tbg to 1078'. Pump 100' C1A/Class L cement plug from 1078' to 978' (elevation plug).
20. TOOH w/ tbg to 978'. Pump 6% bentonite gel from 978' to 509'.
21. TOOH w/ tbg to 509'. Pump 199' C1A/Class L cement plug from 509' to 310' (11-3/4" csg shoe and freshwater plug).
22. TOOH w/ tbg to 310'. Pump 6% bentonite gel from 310' to 100'.
23. TOOH w/ tbg to 100'. Pump 100' C1A/Class L cement plug from 100' to surface (surface plug).
24. Reclaim location and well road to WV DEP specifications and erect P&A well monument.

06/16/2023

1) Date: May 11, 2023
 2) Operator's Well Number
Raymond Nottingham Lease No. 8412
 3) API Well No.: 47 - 007 - 01912

**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>Carol Nottingham</u>	Name <u>N/A</u>
Address <u>334 Chapman Rd.</u>	Address _____
<u>Duck, WV 25063</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>No Declarations found</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Jeremy James</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 36</u>	Name <u>No Declarations found</u>
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-951-2596</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 the 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.

RECEIVED
 Office of Oil and Gas
 MAY 19 2023
 WV Department of Environmental Protection



Well Operator Unknown - WVDEP Paid Plugging Contract
 By: Jason Harmon
 Its: WV Office of Oil & Gas Deputy Chief
 Address 601 57th Street, SE
Charleston, WV 25304
 Telephone 304-926-0452

Subscribed and sworn before me this 19th day of May 2023
Zachary S. Johnson Notary Public
 My Commission Expires 2/15/28

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.

06/16/2023



info@sww.com
www.sww.com

March 31, 2023

Carol Nottingham
334 Chapman Rd.
Duck, WV 25063

Mrs. Nottingham,

Please find enclosed a Notice of Intent to Plug / Replug Abandoned Wells Form for API #47-007-01912 in Braxton County, WV, Map 3P Parcel 18.1, which records from the Braxton County Courthouse indicate that you are the surface owner.

The well listed above is proposed to be plugged through the West Virginia DEP Paid Plugging Contract, orphaned and abandoned wells program. SLS Land & Energy Development has been contracted to obtain a plugging permit for this well. If you have a water well that you may want to have tested prior to the well plugging, please contact us.

If you have any other questions please do not hesitate to contact me.

Jim Mencer
SLS Land & Development
Permitting Tech.
304-462-5634

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

06/16/2023



west virginia department of environmental protection

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

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

**NOTICE OF INTENT
TO PLUG / REPLUG
ABANDONED WELL(S)**

Carol Nottingham
334 Chapman Rd.
Duck, WV 25063

You are hereby given a twenty-day notice, as required by West Virginia Code, Chapter 22, Article 10, Section 7, that the West Virginia Department of Environmental Protection, Office of Oil and Gas (OOG), intends to enter upon the following described premises where an abandoned well(s) is situated and plug or re-plug such well(s) and reclaim any area disturbed by the plugging or re-plugging. This notice should be construed only as a declared intent to plug such well(s); site-specific considerations or other factors may ultimately prevent the plugging or re-plugging at this time.

Description of premises: Birch Dist., Braxton County WV, Map 3P Parcel 18.1
71.844 Acres, Well API# 47-007-01912

The well(s) is considered "abandoned" within the meaning of W. Va. Code § 22-6-19 because it is a dry hole or because it has not been in use for a period of 12 consecutive months and no satisfactory proof of a "bona fide" future use for the well has been demonstrated to the OOG.

If you are a surface owner of the above described premises, be advised that surface owners have the right to repair of any damage or disturbance resulting from the well plugging or to compensation for (1) the reasonable cost of repairing or replacing any water well, (2) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (3) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (4) lost income or expenses incurred, and (5) reasonable costs to reclaim or repair real property, including roads. Additionally, the surface owners have the potential right to take any casing, equipment or other salvage not claimed in this notice. Please be advised that it is the intent of the OOG to take all casing, equipment, and other salvage from the subject well(s).

Please contact the OOG at 304-926-0450 if you have any questions regarding this notice.

Date Issued: _____ Date Served: _____

Name of person served _____

Service Address; _____

Certified Mail Receipt No. (if applicable) _____

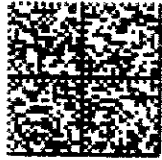
Name of Person Making Personal Service (if applicable) _____

06/16/2023



PO Box 150
GLENNVILLE, WV 26351

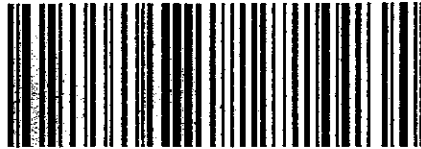
FIRST-CLASS



US POSTAGE PITNEY BOWES
ZIP 26351 \$ 008.10⁰⁰
02 7H
0001267858 MAR 31 2023

MRS. CAROL NOTTINGHAM
334 CHAPMAN RD.
DUCK, WV 25063

7022 2410 0003 5359 3837
7022 2410 0003 5359 3837



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.
CERTIFIED MAIL

U.S. POSTAGE
CERTIFIED MAIL

For delivery instructions, visit our website at usps.com

OFFICIAL USE

Certified Mail Fee \$ 4.15

Extra Services & Fees (check box, add fees as appropriate)

Return Receipt (hardcopy) \$ 3.33

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$ 16.00

Total Postage and Fees \$ 20.15

Sent to Mrs. Carol Nottingham

Street and Apt. No., or PO Box No. 334 Chapman Rd.

City, State, ZIP+4® Duck WV 25063

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

06/16/2023



info@sww.com
www.sww.com

May 11, 2023

Carol Nottingham
334 Chapman Rd.
Duck, WV 25063

Mrs. Nottingham,

Please find enclosed a Permit Application to plug and abandon a Well for API# 47-007-01912, in Birch District, Braxton County, WV which records in the County Courthouse indicate that you are the surface owner. Through the West Virginia DEP Paid Plugging Contract, orphaned and abandoned wells have been proposed to be plugged. I have included an extra Surface owner signature form highlighted in yellow for you to sign if you approve of the proposed work, please sign and send it back to SLS Land & Energy Development in the self-addressed envelope provided for you. The Permit Application is yours to keep for your records. If you have any questions, please do not hesitate to contact me.

Jim Mencer
SLS Land & Development
Permitting Tech.
304-462-5634

12 Vanhorn Drive, Glenville, WV 26351
1412 Kanawha Boulevard East, Charleston, WV 25301
254 East Beckley Bypass, Beckley, WV 25801
304-462-5634

06/16/2023



7022 2410 0003 5359 4292
7022 2410 0003 5359 4292

US POSTAGE
\$ 009.48
MAY 11 2023

U.S. Postal Service®
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit www.usps.com

OFFICIAL USE

1. Date of mailing: 4/15
2. Date of receipt: 4/15
3. Signature of addressee: Carol Nottingham
4. Signature of recipient: Carol Nottingham
5. Signature of sender: Carol Nottingham
6. Signature of agent: Carol Nottingham
7. Signature of carrier: Carol Nottingham
8. Signature of post office: Carol Nottingham
9. Signature of post office manager: Carol Nottingham
10. Signature of post office supervisor: Carol Nottingham
11. Signature of post office assistant: Carol Nottingham
12. Signature of post office clerk: Carol Nottingham
13. Signature of post office clerk: Carol Nottingham
14. Signature of post office clerk: Carol Nottingham
15. Signature of post office clerk: Carol Nottingham
16. Signature of post office clerk: Carol Nottingham
17. Signature of post office clerk: Carol Nottingham
18. Signature of post office clerk: Carol Nottingham
19. Signature of post office clerk: Carol Nottingham
20. Signature of post office clerk: Carol Nottingham

334 Chapman Rd.
Duck, WV 25063

SMITH LAND SURVEYING, INC.
12 Vanhorn Drive
PO Box 150
Glenville, WV 26351

TO: CAROL NOTTINGHAM
334 CHAPMAN RD.
DUCK, WV 25063

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p>CAROL NOTTINGHAM 334 CHAPMAN RD. DUCK, WV 25063</p> <p>2. Article Number (Transfer from service label) 7022 2410 0003 5359 4292</p>	<p>A. Signature X Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery		<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™																
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Collect on Delivery Restricted Delivery																	
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	
<p>9590 9402 7774 2152 3740 27</p> <p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>																

06/16/2023



west virginia department of environmental protection

Office of Oil and Gas
601 57th 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) ORDER NO. 2022-13
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

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.

RECEIVED
Office of Oil and Gas

MAY 19 2023

FINDINGS OF FACT

WV Department of
Environmental Protection

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.

06/16/2023

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.

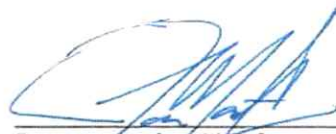
ORDER

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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Office of Oil and Gas
MAY 19 2023
WV Department of
Environmental Protection

06/16/2023

WW-9
(5/16)

API Number 47- 007 - 01912 -
Operator's Well No. Raymond Nottingham Lease No. 8412

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

Operator Name Unknown - WV DEP Paid Plugging Contract OP Code _____

Watershed (HUC 10) Tributary of Duck Creek Quadrangle Strange Creek 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: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number #25-774)
- _____ 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. Offsite

-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 Jason Harmon

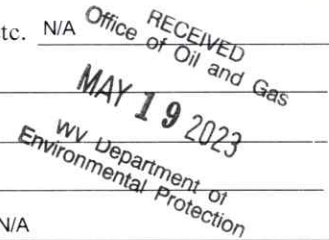
Company Official (Typed Name) Jason Harmon

Company Official Title Deputy Chief

Subscribed and sworn before me this 19th day of May, 2023

My commission expires 2/15/28

Notary Public



Proposed Revegetation Treatment: Acres Disturbed Less than an acre Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.0

Fertilizer type 20-20-20

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

Seed Mixtures

Temporary

Seed Type	lbs/acre

Permanent

Seed Type	lbs/acre
Fescue	30
Clover	3
Contractor Mix	10

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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: Jeremy James

Comments: No pit will be used.

Title: inspector OGG Date: 5-16-23

Field Reviewed? () Yes () No

RAYMOND NOTTINGHAM LEASE

WELL NO. 8412 47-007-01912



510 FEET± @
0-5% GRADE

1020 FEET± @
5-10% GRADE

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Environmental Protection

APPROX LEASE
AND SURFACE
BOUNDARY

SEDIMENT
BARRIER

WELL NO. 8412
47-007-01912

EXISTING 18"
CULVERT

EXISTING 18"
CULVERTS

340 FEET± @
0-5% GRADE

POND

PIPELINE

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).



0.07 MILES±
TO CO. RT. 11



1.25 MILES±
TO DEAD END

EXISTING 18"
CULVERT

= EXISTING CULVERT

= PROPOSED CULVERT
15' MIN. UNLESS
OTHERWISE NOTED

= PROPOSED STREAM
CROSSING

= APPROXIMATE LIMITS
OF DISTURBANCE

SCALE: 1"=200'



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296

06/16/2023

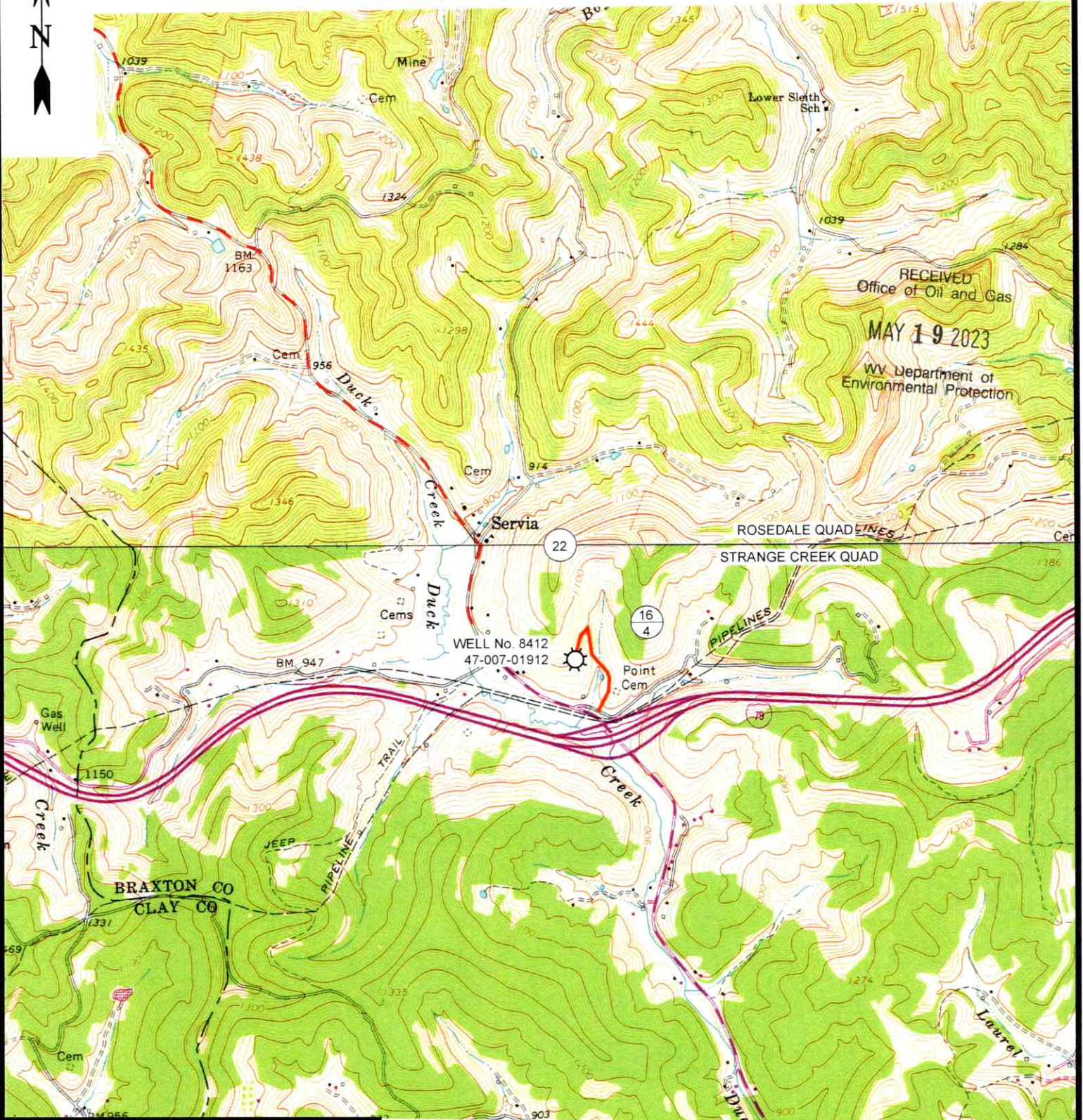
DRAWN BY
GF

FILE NO.
9396

DATE
5-9-23

CADD FILE:
9396-SURV-REC-ROO-
GF-050923.DWG

**WELL No. 8412
47-007-01912**



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

STRANGE CREEK 7.5' USGS QUAD

SCALE: 1"=2000'

0' 2000' 4000'

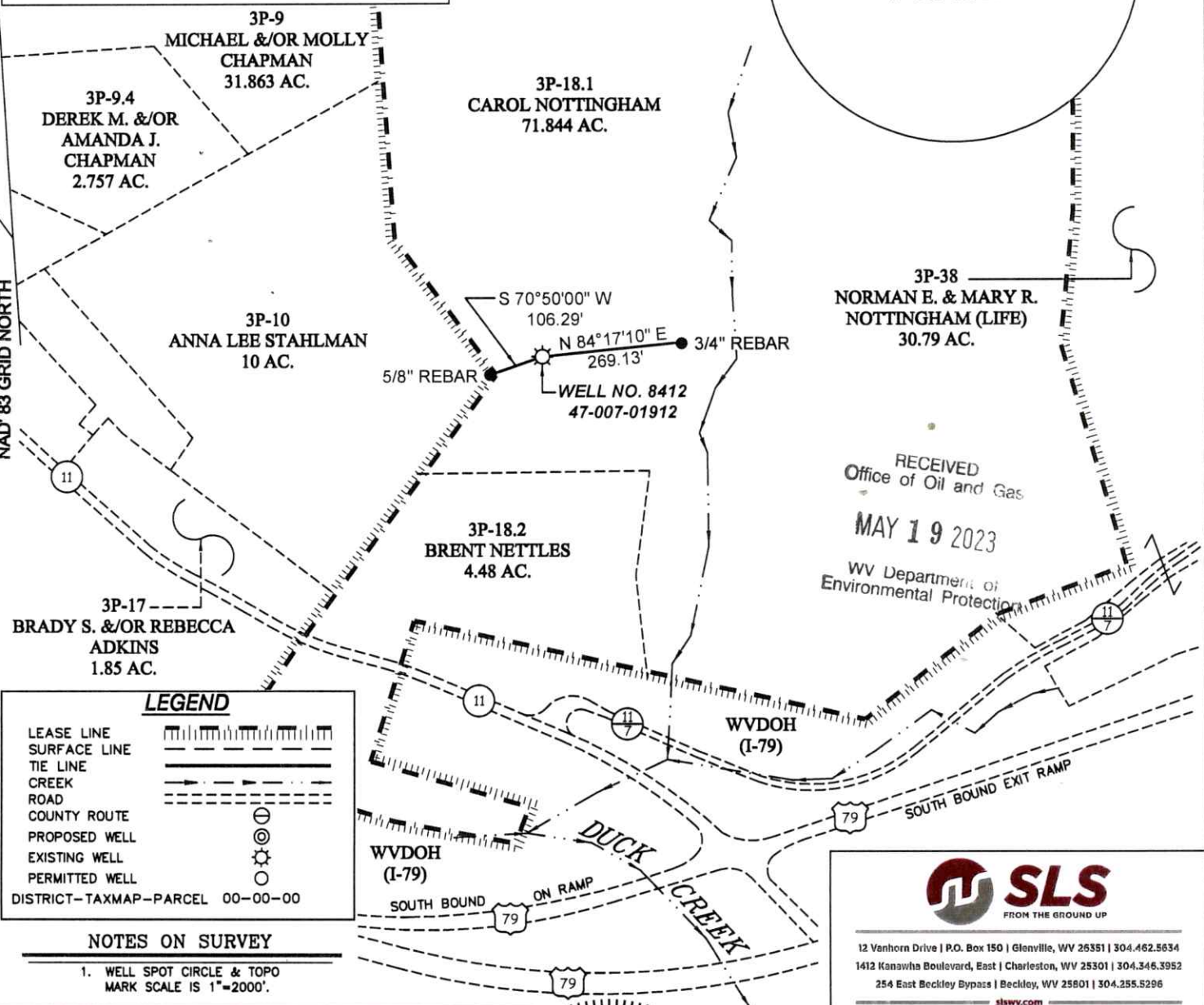
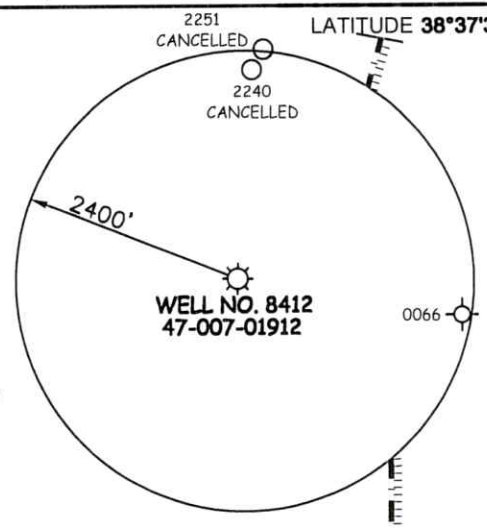


DRAWN BY GF	FILE NO. 9396	DATE 5-9-23	CADD FILE: 9396-SURV-TOPO-ROO- GF-050923.DWG
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06/16/2023

RAYMOND NOTTINGHAM LEASE
130.5 ACRES
WELL NO. 8412
47-007-01912

NAD'83 GEO LAT-(N) 38.620476 LONG-(W) 80.952964
NAD'83 UTM (M) N. 4,274,863 E. 504,095



LEGEND

- LEASE LINE [Symbol]
- SURFACE LINE [Symbol]
- TIE LINE [Symbol]
- CREEK [Symbol]
- ROAD [Symbol]
- COUNTY ROUTE [Symbol]
- PROPOSED WELL [Symbol]
- EXISTING WELL [Symbol]
- PERMITTED WELL [Symbol]
- DISTRICT-TAXMAP-PARCEL 00-00-00 [Symbol]

NOTES ON SURVEY

1. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.

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MAY 19 2023
WV Department of Environmental Protection

SLS
FROM THE GROUND UP

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25601 | 304.255.5296
slsvv.com

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE MAY 05, 20 23

REVISED _____, 20 _____

OPERATORS WELL NO. 8412

API WELL NO. 47 - 007 - 01912-P

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 9396-SURV-4708610459-JM-R00-230505.dwg

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SUBMETER MAPPING GRADE TIE TO CORS NETWORK) SCALE 1" = 300'

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1004' WATERSHED TRIBUTARY OF DUCK CREEK

DISTRICT BIRCH COUNTY BRAXTON QUADRANGLE STRANGE CREEK 7.5'

SURFACE OWNER CAROL NOTTINGHAM ACREAGE 76.323±

ROYALTY OWNER ANNA LEE STAHLMAN, ET AL ACREAGE 130.5±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH 4596'

WELL OPERATOR UNKNOWN WVDEP PAID PLUGGING CONTRACT DESIGNATED AGENT JASON HARMON, WVDEP

ADDRESS 601 57TH STREET ADDRESS 601 57TH STREET

CHARLESTON, WV 25304 (WVDEP) CHARLESTON, WV 25304



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

plugging permit issued 4700701912

1 message

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

Thu, Jun 15, 2023 at 10:24 AM

To: Henry J Harmon <henry.j.harmon@wv.gov>, Austin Sutler <asutler@nextvlenergy.com>, "etichner@assessor.state.wv.us" <etichner@assessor.state.wv.us>, Jeremy E James <jeremy.e.james@wv.gov>

To whom it would concern, a plugging permit has been issued for 4700701912.

James Kennedy

WVDEP OOG

 **4700701912.pdf**
3363K

06/16/2023