



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

Monday, March 15, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

NYTIS EXPLORATION COMPANY LLC
PO BOX 8
RAVENSWOOD, WV 26164

Re: Permit approval for 1
47-035-00637-00-00

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: SUCK, E. F.
U.S. WELL NUMBER: 47-035-00637-00-00
Vertical Plugging
Date Issued: 3/15/2021

I

47035006370

PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

03/19/2021

4703500637

1) Date December 18th, 2020
2) Operator's
Well No. Siv 13
3) API Well No. 47-c35 - 00637

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 x or Underground storage ___) Deep ___ / Shallow x

5) Location: Elevation 572' Watershed Sandy Creek
District Ravenswood County Jackson Quadrangle Sandyville

6) Well Operator Nytis Exploration Company LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Joe Taylor Name Diversified Production LLC (In-house Rig)
Address 1478 Claylick Road Address 1951 Pleasantview Ridge Road
Ripley, WV 25271 Ravenswood, WV 26164

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

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

Work order approved by inspector  Date 12-28-20

03/19/2021

4703500637P

PLUGGING PROGNOSIS

API# 47-035-00637

West Virginia, Jackson County

38.9290969841565, -81.7180262045765

Nearest ER: Jackson General Hospital 122 Pinnell St. Ripley, WV 25271

Casing Schedule

16" csg @ 39'

7" csg @ 1828'

2 3/8" tbg @ 2137' w/ sucker rods

TD 2140'

Completion: Shot

Fresh Water: 117', 360', 390'

Salt Water: 915', 1095', 1180, 1400'

Gas Shows: 1740', Berea 2095'-2109'

Oil Show: Berea 2095'-2109'

Coal: 410'

Elevation: 574'

1. Notify Inspector Joe Taylor @ 304-380-7469, 48 hours prior to commencing operations.
2. Check and record pressures on csg/tbg.
3. TOOH LD rods and tbg. Inspect tbg.
4. Check TD w/ wireline.
5. TIH w/ tbg to 2109'. Kill well as needed with 6% bentonite gel. Pump 114' C1A cement plug from **2109'-1995' (Shale and Berea gas/oil show)**. Tag TOC. Top off as needed.
6. TOOH w/ tbg to 1995'. Pump 6% bentonite gel from 1995'-1878'.
7. TOOH w/ tbg to 1878'. Pump 238' C1A cement plug from **1878'-1640' (7" csg st and gas show)**.
8. TOOH w/ tbg to 1640'. Pump 6% bentonite gel from 1640'-1450'. TOOH LD tbg.
9. Free point 7" csg. Cut and TOOH. Set 100' C1A cement plug across csg cut. 50' in/out of cut. Do not omit any plugs listed below. Perforate as needed.
10. TIH w/ tbg to 1450'. Pump 100' C1A cement plug from **1450'-1350' (Salt water)**.
11. TOOH w/ tbg to 1350'. Pump 6% bentonite gel from 1350'-1230'.
12. TOOH w/ tbg to 1230'. Pump 365' C1A cement plug from **1230'-865' (Salt water)**.
13. TOOH w/ tbg to 865'. Pump 6% bentonite gel from 865'-574'.
14. TOOH w/ tbg to 574'. Pump 264' C1A cement plug from **574'-310' (Elevation, coal, fresh water)**.
15. TOOH w/ tbg to 310'. Pump 6% bentonite gel from 310'-167'.
16. TIH w/ tbg to 167'. Pump 167' C1A cement plug from **167'-0' (Freshwater and Surface)**. TOOH LD tbg.
17. Erect monument with API#, date plugged, and company name.
18. Reclaim location and road to WV-DEP specifications.

All free pipe is to be pulled.


12-28-20

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4703500637A

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Ripley

WELL RECORD

Permit No. Jaq 637

Oil or Gas Well Oil

Company Columbian Carbon Company
Address Box 873, Charleston 21, W. Va.
Farm E. F. Suck Acres 97
Location (waters) Straight Fork
Well No. 1 - GW-110 Elev. 574.4' G
District Bavenswood County Jackson
The surface of tract is owned in fee by E. F. Suck
R.F.D. #2 Address Millwood, W. Va.
Mineral rights are owned by E. F. Suck
R.F.D. #2 Address Millwood, W. Va.
Drilling commenced 9-21-48
Drilling completed 10-30-48
Date Shot 11-1-48 From 2093' BLM To 2113' BLM
With 1350 Galatin
Open Flow /10ths Water in Inch
 /10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil Approx. 10 bbls. daily bbls., 1st 24 hrs.
Fresh water 117' 360' 390' feet feet
Salt water 215' 1095' -1100' feet 1140' 1100' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16"	39'2"	39'2"	Kind of Packer <u>Midget</u>
13 3/8" 100'	156'5"	Pulled	<u>Bottom Hole</u>
10 3/4" 100'	578'8"	Pulled	Size of <u>7"</u>
8 1/2" 210'	1103'8"	Pulled	
xxxx 7" 210'	1827'6"	1827'6"	Depth set <u>1817' BLM</u>
5 8/16			
8			Perf. top
2 3/8" 100'	2137'	2137'	Perf. bottom
Liners Used	<u>W/2" lbg. cage</u>		Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date
See Reverse Side
COAL WAS ENCOUNTERED AT 410 FEET 24 INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			0	29			
White Slate			29	35			
Lime			35	40			
Red Rock			40	45			
White Slate			45	50			
Sand			50	66			
Red Rock			66	80			
Sand			80	155	F. Water	117'	Hole Full
Slate & Shells			155	160			
Red Rock			160	170			
White Slate			170	180			
Red Rock			180	185			
White Slate			185	191			
Black Slate			191	200			
Red Rock			200	210			
White Slate			210	230			
Red Rock			230	260			
White Slate			260	300			
Red Rock			300	335			
1st. Pitts. Sand			335	410	F. Water	360'	2 blrs/hr.
Coal			410	412	F. Water	390'	3 blrs/hr.
White Slate			412	430			
Sandy Lime			430	450			
White Slate			450	486			
Sand			486	496			
White Slate			496	498			
2nd Pitts. Sand			498	515			
Black Slate			515	520			
Red Rock			520	524			
White Slate			524	542			
Sand			542	555			
Red Rock			555	575			
White Slate	575' DLM - 580 BLM		575	595			
Gritty Lime	Black		595	615			
Red Rock			615	635			
White Slate			635	655			
Lime			655	670			
White Slate			670	700			

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			700	730			
Slate & Shells			730	740			
White Slate			740	775			
Red Rock			775	780			
Lime			780	786			
Sand			786	791			
Lime			791	797			
White Slate			797	810			
Black Slate			810	824			
Sand			824	830			
Lime Shells			830	850			
Sand			850	940	S. Water	915'	1-10" b1r/hr.
Slate			940	960			
Sand			960	989			
Slate			989	1015			
Lime			1015	1020			
Sand			1020	1025			
Slate			1025	1046			
Sand			1046	1100	S. Water	1095'-1100'	Hole Full
White Slate	1100'DLM - 1098'SLM		1100	1125			
Black Slate			1125	1139			
Sand			1139	1170	S. Water	1180'	2-8" t1r/hr.
Slate			1170	1226			
Black Slate			1226	1249			
Sand			1249	1257			
Slate			1257	1280			
Sand			1280	1294			
Slate			1294	1315			
Sand			1315	1335			
Slate			1335	1364			
Lime			1364	1369			
Sand			1369	1410	S. Water	1400'	3-3" b1rs/hr/
Shale & Lime			1410	1429			
Slate			1429	1434			
Lime			1434	1440			
Slate			1440	1463			
Maxon Sand			1463	1495			
Little Lime			1495	1513			
Break			1513	1519			
Big Lime			1519	1645			
Slate			1645	1648			
Sand			1648	1655			
Lime			1655	1665			
Slate & Lime Shells			1665	1687			
Sand			1687	1780	Gas	1740'	Show
White Slate			1780	1798			
Broken Lime			1798	1815			
Hard Lime	1822'DLM - 1817'SLM		1815	1853			
Slate			1853	1857			
Slate & Lime Shells			1857	1885			
Slate			1885	2080			
Shale			2080	2095	Gas	2095'	Gas Show
Sand (Berea)			2095	2109			
Slate			2109	2140			
TOTAL DEPTH			2140'		Oil pay	2095' - 2109'	
<u>Cement Record</u>							
9-29-48	13-3/8"	casing - ran 6 bags Aquagel.	Returns o.k. Columbian Carbon Co. Crew				
10-4-48	10-3/4"	casing - ran 11 bags Aquagel.	Returns o.k. Columbian Carbon Co. Crew				
10-12-48	8-5/8"	casing - ran 15 bags Aquagel.	Returns o.k. Columbian Carbon Co. Crew				
10-23-48	7"	casing - ran 13 bags Aquagel.	Returns o.k. Columbian Carbon Co. Crew				

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WV Dept. Environmental Protec

Date November 30, 19 48

APPROVED Columbian Carbon Company, Owner

By O. W. Van Petten, Supt. (Title)

03/19/2021

1) Date: 12/18/2020
2) Operator's Well Number
SIV 13

3) API Well No.: 47 - 035 - 00637

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

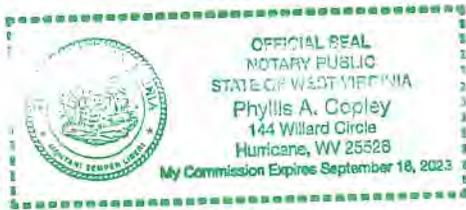
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name James A Suck Jr	Name _____
Address 468 Wilding Road	Address _____
Ravenswood, WV 26164	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name No Declaration
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector Joe Taylor	(c) Coal Lessee with Declaration
Address 1478 Claylick Road	Name _____
Ripley WV 25271	Address _____
Telephone 304-380-7469	

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 Nytis Exploration Company LLC
 By: Jeff Mast
 Its: Director Production
 Address P.O. Box 6070
 Charleston, WV 25362
 Telephone 304-543-6988

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Subscribed and sworn before me this 21st day of December 2020
Phyllis A. Copley Notary Public
 My Commission Expires September 18, 2023

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Oil and Gas Privacy Notice

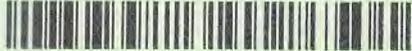
The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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.

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7017 1450 0002 3854 0740

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com	
Ravenswood, WV 26164	
OFFICIAL USE	
Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$2.85
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total Postage and Fees	\$7.80
Sent To	James A. Suck, Jr.
Street and Apt. No., or PO Box No.	468 Wilding Road
City, State, ZIP+4®	Ravenswood, WV 26164
Postmark Here	0523 03 12/21/2020 SIV 13
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

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>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee X <i>CAV1019</i></p> <p>B. Received by (Printed Name) <i>Rta TD</i></p> <p>C. Date of Delivery <i>12/23/20</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>																
<p>1. Article Addressed to: <i>SIV 13</i> <i>James A. Suck, Jr.</i> <i>468 Wilding Road</i> <i>Ravenswood, WV 26164</i></p>  <p>9590 9403 0267 5155 0065 94</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 checked="" 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"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</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 checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation 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 checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise																
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	
<p>2. Article Number (Transfer from service label) 7017 1450 0002 3854 0740</p>																	
PS Form 3811, April 2015 PSN 7530-02-000-9053	Domestic Return Receipt																

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Well Number: SIV 13

API 47-035-00637

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For delivery information, visit our website at www.usps.com ®.	
Ravenswood, WV 26164	
OFFICIAL USE	
Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$2.85
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
Total Postage and Fees	\$7.80
Postmark Here	
12/21/2020	
SIV 13	
Sent To	
James A. Suck, Jr.	
Street and Apt. No., or PO Box No.	
468 Wilding Road	
City, State, ZIP+4®	
Ravenswood, WV 26164	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

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03/19/2021

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

Operator Name Nytis Exploration Company LLC OP Code 494473563

Watershed (HUC 10) Left Fork Sandy Creek Quadrangle Sandyville

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 2D0190460)
- 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

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Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

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-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.

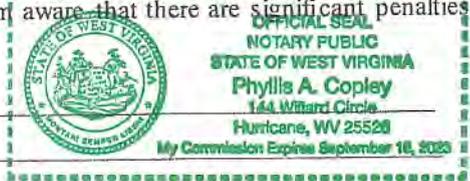
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations 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 _____

Company Official (Typed Name) Jeff Mast

Company Official Title Director Production



Subscribed and sworn before me this 21st day of December, 2020

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

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.

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DEC 28 2020

Plan Approved by: _____

WV Department of
Environmental Protection

Comments: Sediment control in place at all times.

All free pipe will be pulled.

Title: 006 Inspector

Date: 12-28-20

Field Reviewed? () Yes

() No

input coordinates

enter comma delimited coordinates. examples:
 38 15 30.1, -81 25 15.2 (lat, lon as degrees minutes seconds)
 38.123456, -81.123456 (lat, lon as decimal degrees)
 500000, 4100000 (UTM as easting, northing)
 1987654.32, 364123.45 (WV state plane as easting, northing)

38.928770666,-81.718311966

Lat/Lon WGS 1984

Convert

output coordinates

437737.76,4309116.63

UTM NAD83 Zone 17N

view on Google Maps

options

- display output as degrees/minutes/seconds
- zoom to point

history (copy/paste)

1,38.9287707,-81.7183120,LL
 WGS84(G1674),437737.76,4309116.63,UTM17N
 NAD83(2011)

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 Office of Oil and Gas

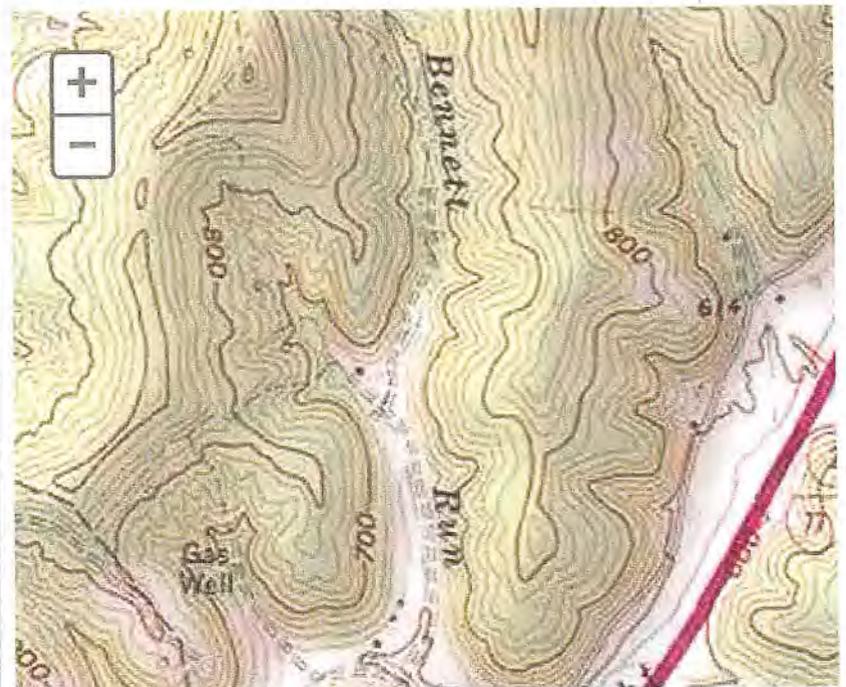
DEC 22 2020

WV Department of
 Environmental Protection

notes about datum conversions

1. *Conversions between NAD27 and NAD83.* This converts between NAD27 and NAD83(1986) using the NADCON transformation. Newer realizations of NAD83, such as NAD83(CORS96) and NAD83(2011) can differ from NAD83(1986) by a meter or so. This conversion uses the Esri transformation NAD_1927_To_NAD_1983_NADCON.

2. *Conversions between NAD27 and WGS84.* Basically this just applies the NADCON transformation from NAD27 to NAD83(1986). NAD83(1986) is the original realization of NAD83, which is practically identical to the original WGS84. The difference between the



Point #1

County:Jackson
 huc-10:Left Fork Sandy Creek-Sandy Creek
 huc-12:Sandy Creek (050302020504)
 Zip:26164 (RAVENSWOOD)
 Quadrangle:Sandyville
 Near:Silverton (Populated Place)
 elevation: 579.49 (-176.63m)
 wxbrief: 385543.6N/814305.9W

174.4960 = 572.34'



clear markers

- street map
- image
- topo



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

API: 47-035-00637 WELL NO.: SIV 13

FARM NAME: E F Suck

RESPONSIBLE PARTY NAME: Nytis Exploration Company LLC

COUNTY: Jackson DISTRICT: Ravenswood

QUADRANGLE: Sandyville

SURFACE OWNER: James A Suck Jr

ROYALTY OWNER: Robert Walsh

UTM GPS NORTHING: 4,309,116

UTM GPS EASTING: 437,737 GPS ELEVATION: 572 (ft)

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.

Signature

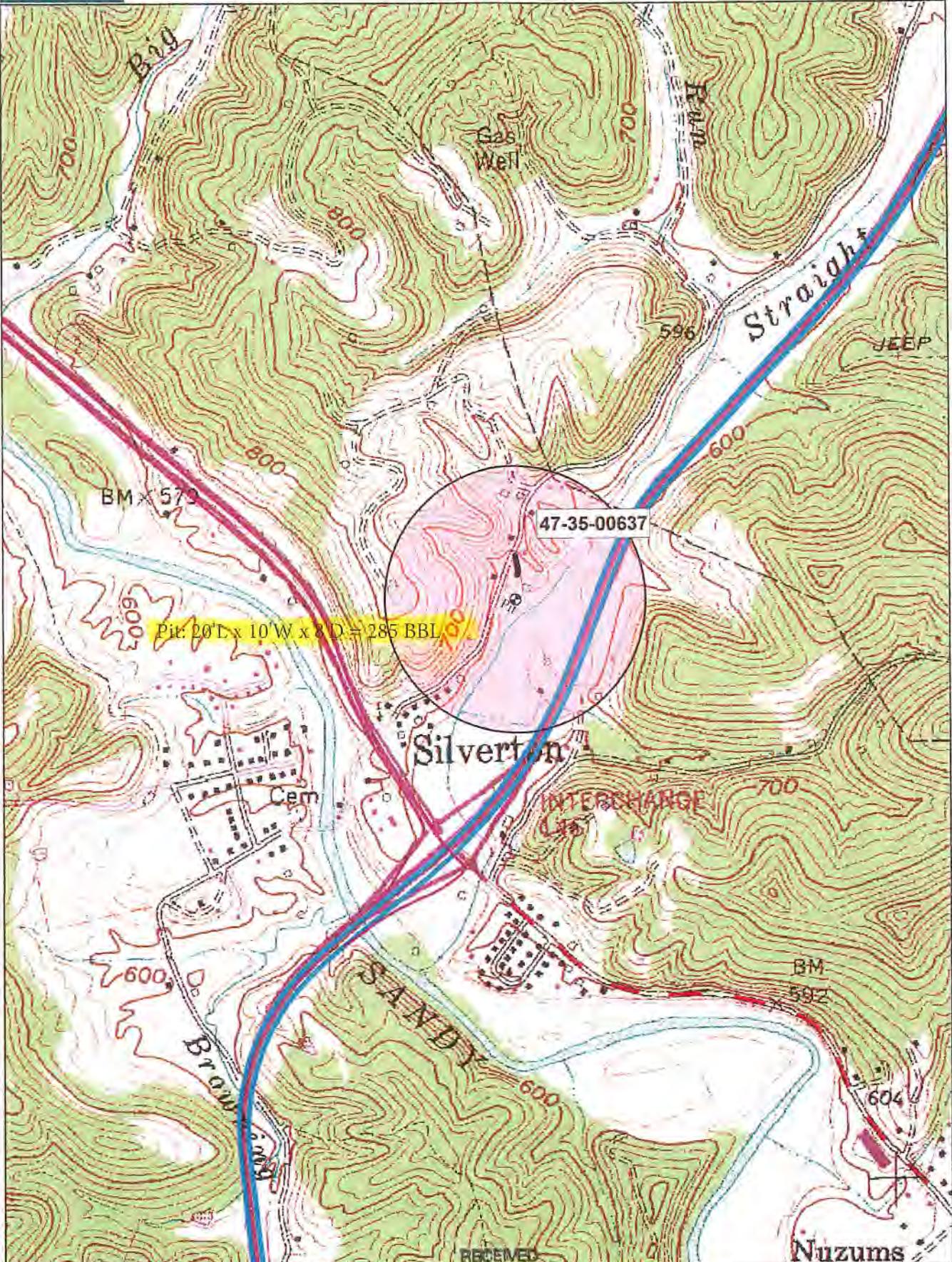
Director Production
Title

12/18/2020
Date

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DEC 28 2020

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Pit: 20' L x 10' W x 8' D = 285 BBL

47-35-00637

Silverton

SANDY

INTERCHANGE

BM 592

Nuzums

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Scale 1 : 12,000

DEC 2 2020



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03/19/2021