



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, August 21, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

TEAVEE OIL & GAS, INC.
112 BROOKS STREET

CHARLESTON, WV 253010000

Re: Permit approval for NORA SUTHERLAND F-24
47-079-01167-00-00

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

A blue ink signature of James A. Martin, Chief, is written over the text of his name and title.

Operator's Well Number: NORA SUTHERLAND F-24
Farm Name: GATEWOOD, WAYNE E.
U.S. WELL NUMBER: 47-079-01167-00-00
Vertical Plugging
Date Issued: 8/21/2019

Promoting a healthy environment.

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.



TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

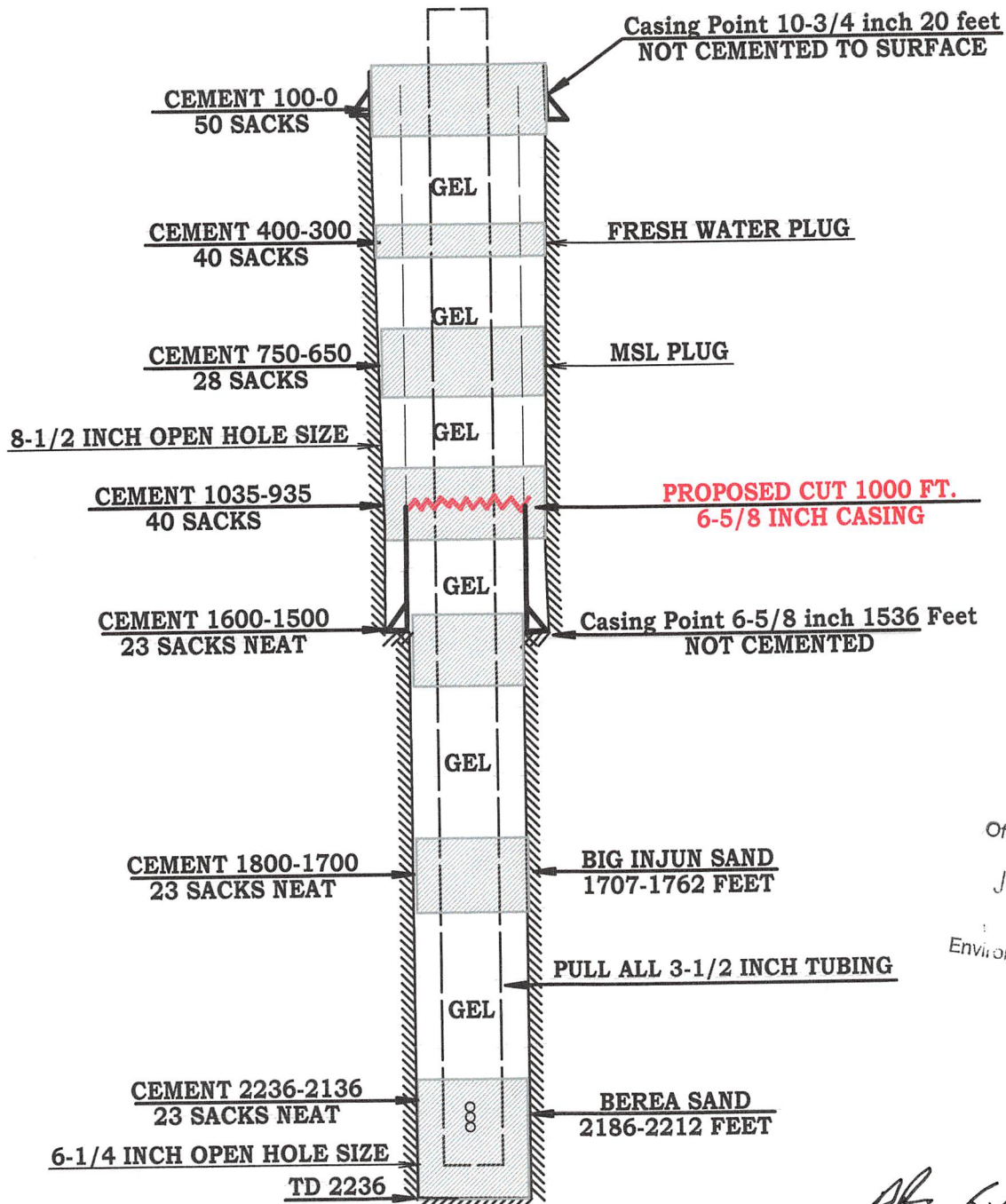
CORPORATE OFFICES

P. O. BOX 27
WINFIELD, W. VA. 25213
(304) 586-9699
FAX 586-9467

112 BROOKS STREET
CHARLESTON, W. VA. 25301
(304) 342-2125
FAX 342-6752

47-079-01167-P NORA SUTHERLAND F-24
SCOTT DISTRICT PUTNAM COUNTY WV

WELL PLUGGING SCHEMATIC



RECEIVED
Office of Oil and Gas
JUN 21 2019
Enviro

AR 6.19.19

WELL RECORD

Lease -
Farm - Nora Southerland
Acres -
District -
County -
State -
Well No - 2
Location Made -
Made By -
Measurements By -
Witness -

Rig Built -
Drilled By -
Commenced -
Completed -
Drillers Employed -

Tool Dressers -

OWNER: *Salamie Oil & Gas Co.*

Elevation - 726.92 - U.F.G.Co.

Red Rock	10	80
Slate	80	120
Red Rock	120	214
Sand	214	295
Slate	295	380
Red Rock	380	400
Sand	400	450
Slate	450	600
Sand	600	630
Slate	630	680
Sand	680	765
Slate	765	800
Sand	800	810
Slate	810	860
Sand	860	950
Slate	950	1070
Sand	1070	1085
Slate	1085	1090
Salt Sand	1090	1370
Black Slate	1370	1380
Sand	1380	1420
Maxton Sand	1420	1486
Slate	1486	1524
Big Lime	1524	1688
Slate	1688	1707
Big injun Sand	1707	1762
Shell	1762	1935
Shells & Slate	1935	2166
Brown Shale	2166	2186
Berea Sand	2186	2212
Bottom Hole		2236

Gas in Big Lime

RECEIVED
Office of Oil and Gas
JUN 21 2018
WV Department of
Environmental Protection

2186
720
1960

After shot produced 7/10 Mercury thru 2" from berea sand
1536' of 6-5/8" 17# Casing left in well
20' of 10" 2# Casing left in well
150' of 8-1/2" 24# Casing run and pulled

WW-4A
Revised 6-07

1) Date: June 13, 2019
2) Operator's Well Number
Nora Sutherland F-24
3) API Well No.: 47 - 079 - 01167-P

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>First State Bank</u>	Name <u>N/A</u>
Address <u>P. O. Box 295</u>	Address _____
<u>Barboursville, WV 25504</u>	_____
(b) Name <u>William J. Huston Jr.</u>	(b) Coal Owner(s) with Declaration
Address <u>1423 Virginia Street</u>	Name <u>N/A</u>
<u>Charleston, WV 25301</u>	Address _____
_____	_____
(c) Name _____	Name <u>N/A</u>
Address _____	Address _____
_____	_____
6) Inspector <u>Allen Flowers</u>	(c) Coal Lessee with Declaration
Address <u>165 Grassy Lick Lane</u>	Name <u>N/A</u>
<u>Liberty, WV 25124</u>	Address _____
Telephone _____	_____

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	<u>Teavee Oil & Gas, Inc.</u>
By:	<u>[Signature]</u>
Its:	<u>Designated Agent</u>
Address	<u>P. O. Box 27</u>
	<u>Winfield, WV 25213</u>
Telephone	<u>304-586-9699</u>

RECEIVED
Office of Oil and Gas

Subscribed and sworn before me this 14th day of June, 2019
[Signature] Notary Public
My Commission Expires May 26, 2021

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

WW-9
(5/16)

API Number 47 - 079 - 01167-P
Operator's Well No. Nora Sutherland F-24

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

Operator Name Teavee Oil & Gas, Inc. OP Code 306769

Watershed (HUC 10) Rockstep Run of Scary Creek Quadrangle Saint Albans WV

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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain West Virginia Oil & Brine Gathering En Link Appalachia LLC)

Will closed loop system be used? If so, describe: All fluids will be routed into a holding tank through hoses and piping

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. No drill cuttings anticipated

-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 *Duane K. Bowers*

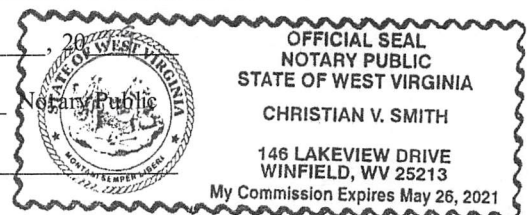
Company Official (Typed Name) Duane K. Bowers

Company Official Title Designated Agent

Subscribed and sworn before me this 14th day of June

Christian V. Smith

My commission expires May 26, 2021



Proposed Revegetation Treatment: Acres Disturbed < .5 Acres Prevegetation pH 6.0

Lime 2 Tons/acre or to correct to pH 7.0

Fertilizer type 10-10-10

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
_____	_____	Ky 31 Tall Fescue	100
_____	_____	Ladina Clover	5
_____	_____	Winter Wheat (if needed)	100

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.

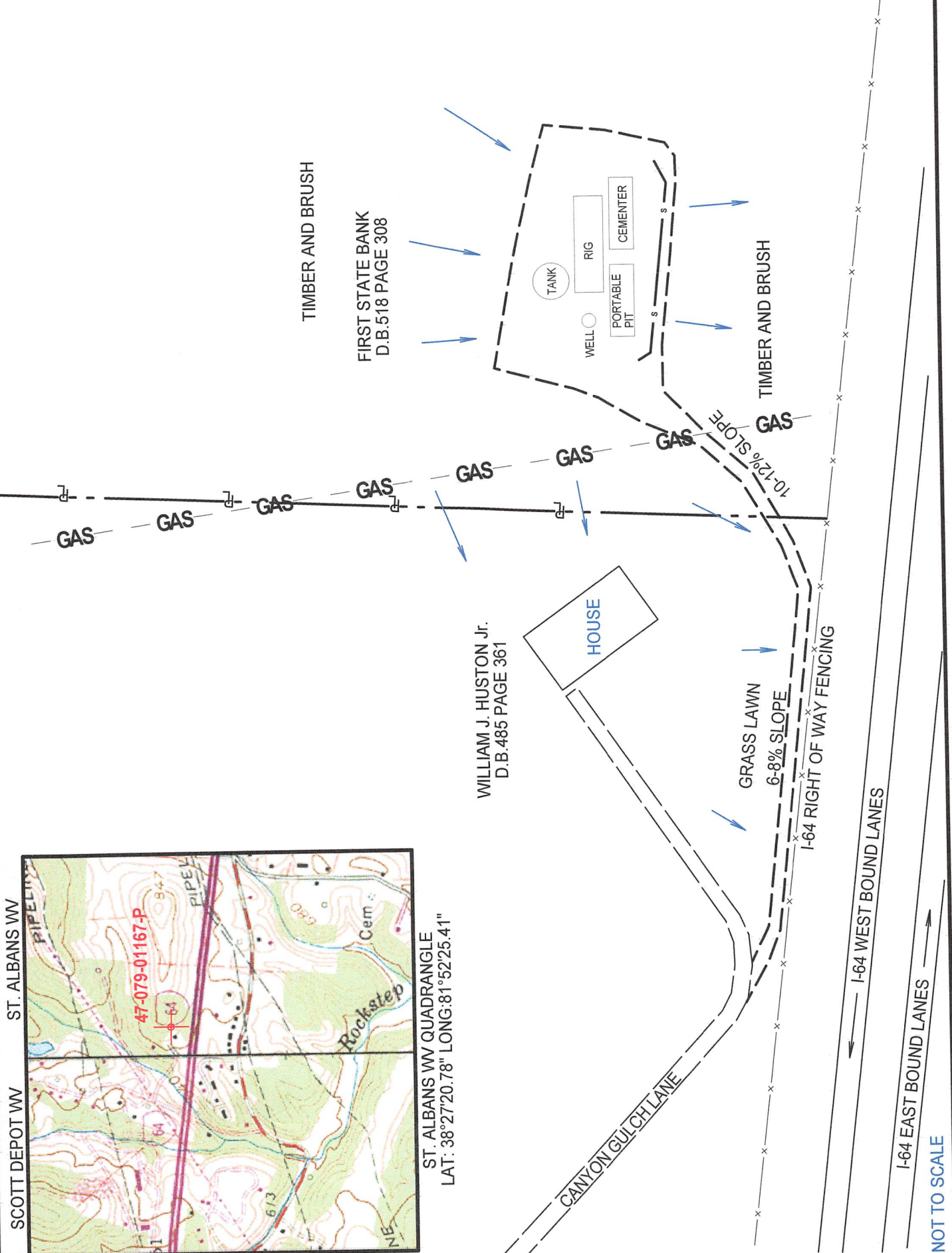
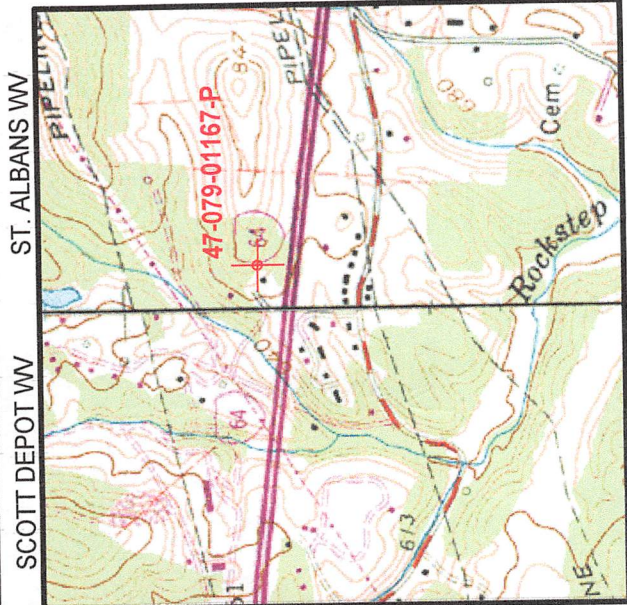
Plan Approved by: AW Flowers

Comments: _____

RECEIVED
Office of Oil and Gas
JUN 21 2019
W. Environmental

Title: INSPECTOR Date: 6-19-19

Field Reviewed? Yes No



ST. ALBANS WW QUADRANGLE
 LAT: 38°27'20.78" LONG: 81°52'25.41"

NOT TO SCALE

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

Operator Name: Teavee Oil & Gas, Inc.
Watershed (HUC 10): Rockstep Run of Scary Creek Quad: Saint Albans WV
Farm Name: Nora Sutherland

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

There is nothing in our plugging procedures that will contaminate the ground water. Above ground storage tank will be utilized for the plugging operations to capture and safely contain all recovered fluids. We dispose of all fluids recovered through our disposal company WV Oil & Brine Gathering En Link Appalachia, LLC.

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

Above ground storage tanks will be utilized and placed inside containment barriers to capture and prevent any spills from contacting the ground.

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Rockstep Run of Scary Creek is approximately 650 feet from the well site.

4. Summarize all activities at your facility that are already regulated for groundwater protection.

None

RECEIVED
Office:
JUN 21
WV Department of
Environmental Protection

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

None

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

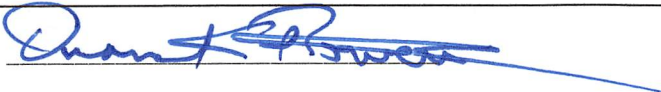
This is a plugging operation, no drill cuttings are anticipated. All fluids will be hauled to our central gathering tank farm and WV Oil & Brine Gathering En Link, LLC will inject the liquids into there wells. All crude oil will be skimmed and barreled for sale. No waste material will be used for deicing or fill material at this location of property.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

All Company Employees are trained to identify leaks from well head and flow lines, as well as equipment leaks. Operator Qualification tests on spill materials is part of our training mission. All contractors will be held responsible to meet or exceed all the company operations and safety protocol.

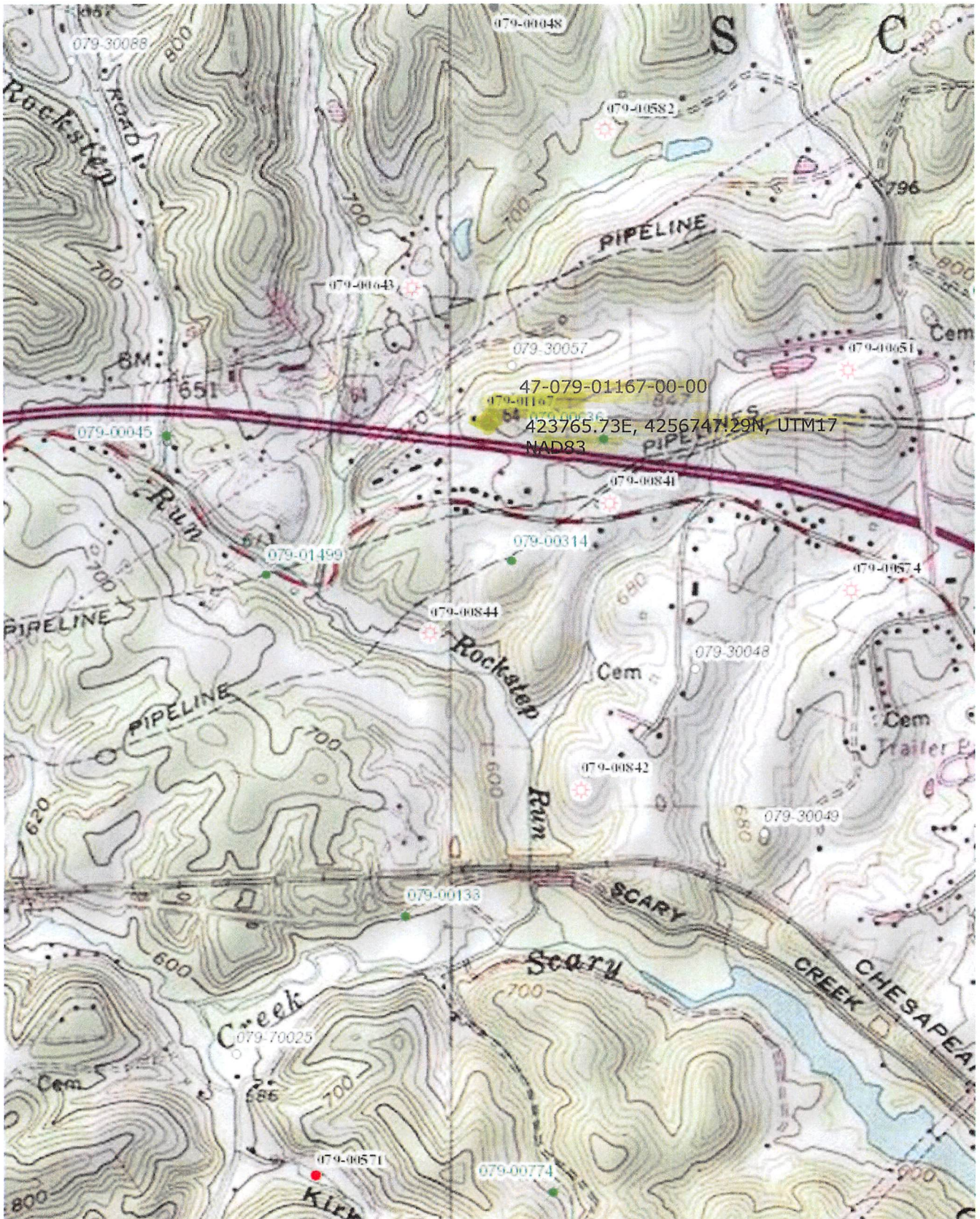
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Daily inspections of all flow lines and tanks along with all associated equipment will be inspected for leaks and or spills. Spills will be promptly and securely controlled, cleaned, disposed-of, and reported to the proper personnel. containment will be used under all flow lines to help prevent leaks from contacting the ground.

Signature: 

Date: June 13, 2019

RECEIVED
Office of Oil and Gas
JUN 21 2019
WV Department of
Environmental Protection



WW-7
8-30-06



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

API: 47-079-01167-P WELL NO.: Nora Sutherland F-24

FARM NAME: Nora Sutherland (First State Bank)

RESPONSIBLE PARTY NAME: Teavee Oil & Gas, Inc.

COUNTY: Putnam DISTRICT: Scott District

QUADRANGLE: Saint Albans, WV

SURFACE OWNER: First State Bank

ROYALTY OWNER: Elemental Resources LLC

UTM GPS NORTHING: 4256747.29

UTM GPS EASTING: 423765.73 GPS ELEVATION: 225.84 (741 Feet)

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 XX : Post Processed Differential XX

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 Daniel K. Reynolds Professional Surveyor Title June 13, 2019 Date