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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

Jim Justice , Governor  
Austin Caperton , Cabinet Secretary  
www.dep.wv.gov

Friday, June 23, 2017  
WELL WORK PERMIT  
Vertical / Plugging

TEAVEE OIL & GAS, INC. (A)  
112 BROOKS STREET

CHARLESTON, WV 253010000

Re: Permit approval for 2  
47-011-00337-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: 2  
Farm Name: CHAPMAN, ADALINE  
U.S. WELL NUMBER: 47-011-00337-00-00  
Vertical / Plugging  
Date Issued: 6/22/2017

Promoting a healthy environment.

06/23/2017

## PERMIT CONDITIONS

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

### CONDITIONS

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1. 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.

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WW-4B  
Rev. 2/01

JUN 5 2017

WV Department of  
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1) Date May 8, 2017  
2) Operator's  
Well No. Adaline Chapman #2  
3) API Well No. 47-011 - 00317

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 XX / Liquid injection \_\_\_\_ / Waste disposal \_\_\_\_ /  
(If "Gas, Production XX or Underground storage \_\_\_\_ ) Deep \_\_\_\_ / Shallow \_\_\_\_

5) Location: Elevation 931.1 feet Watershed Fallen Fork of Big Two Mile Creek  
District Grant District County Cabell Quadrangle Milton WV

6) Well Operator Teavee Oil & Gas, Inc. 7) Designated Agent Duane K. Bowers  
Address P. O. Box 27 Address P. O. Box 27  
Winfield, WV 25213 Winfield, WV 25213

8) Oil and Gas Inspector to be notified Name Allen Flowers 9) Plugging Contractor Name WSC Division of Teavee Oil & Gas, Inc.  
Address 165 Grassy Lick Lane Address P. O. Box 27  
Liberty, WV 25124 Winfield, WV 25213

10) Work Order: The work order for the manner of plugging this well is as follows:  
Run tools to check hole condition, run tubing to 3314, gel hole to 1000, set BHP at 3314 to 3214, pull tubing to 2470, set cement plug across Berea 2470 to 2370, pull tubing to surface. Attempt to pull or cut 6-5/8 casing at 1400, pull 200 feet of casing, run tubing in hole and cement across cut 100 foot cement plug, pull tubing to surface and pull 600 feet of 6-5/8 casing, run tubing to 850 set cement plug at 850 to 750, across salt water zone. Pull tubing to surface, pull remaining 6-5/8 casing, run tubing to 500, cement plug 500 to 400 feet across water zone at 460, pull tubing to 100 feet set top hole plug, 100 to 0 feet. set 7 inch monument with API number and date plugged, Rig down and treat pit, backfill pit, reclaim location, reclaim roads, seed and mulch all.

NOTE: If unable to cut and or pull 6-5/8 inch casing rip holes at each cement plug elevation.

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

Work order approved by inspector  Date 5-29-17

CHK# 12726  
6-2-17  
\$100.00

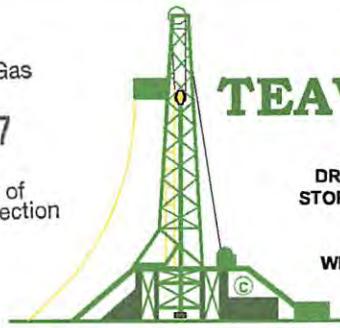
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# TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,  
STORAGE, WELL SERVICING

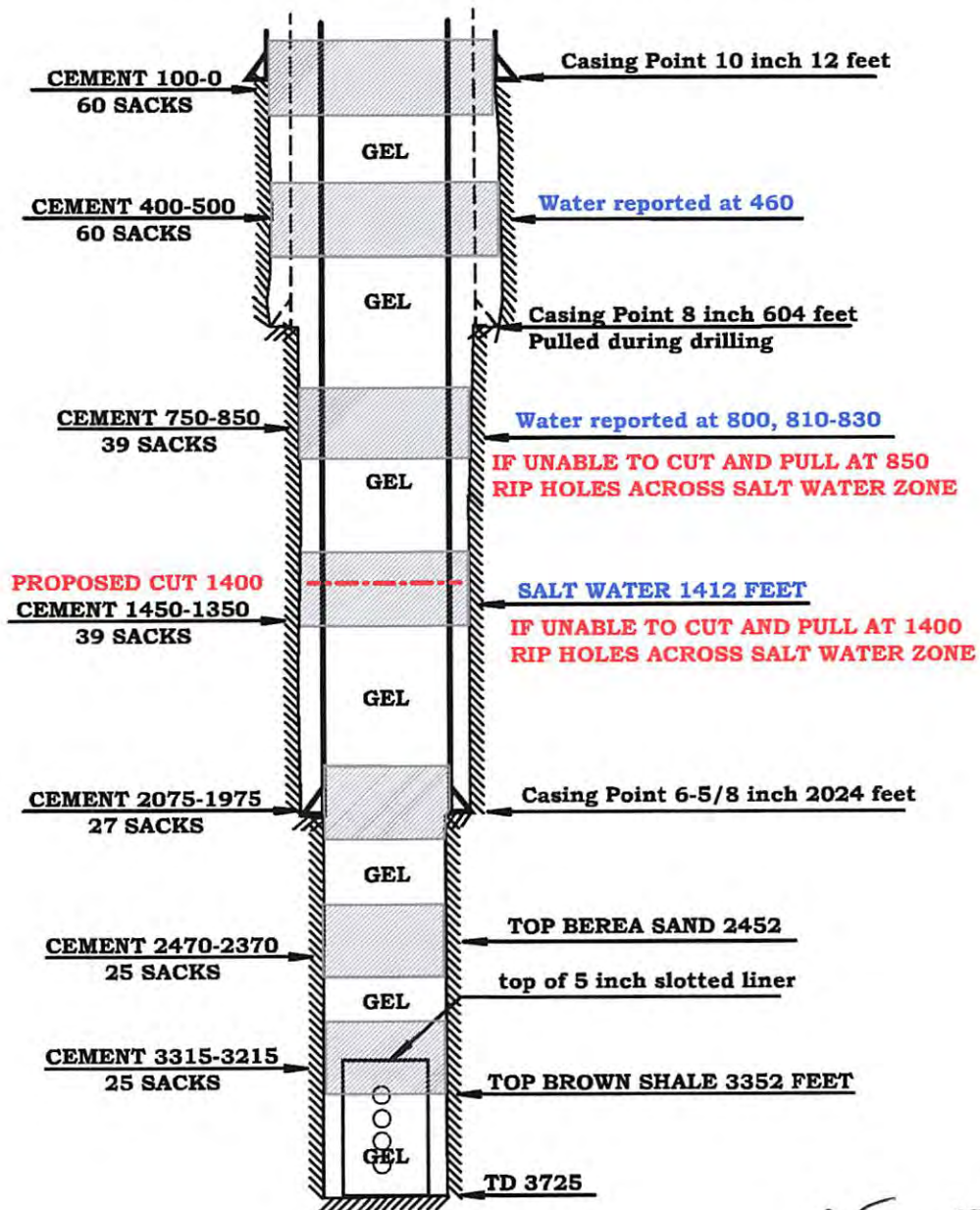
CORPORATE OFFICES

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

47-011-00337-P ADALINE CHAPMAN #2  
GRANT DISTRICT CABELL COUNTY WV

## WELL PLUGGING SCHEMATIC



AF. 5-29-17



1100337P

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Milton

WELL RECORD

Permit No. CAB 337

Oil or Gas Well Gas  
(Kind)

Company Big Two Mile Gas Company  
 Address P. O. Box 1608, Charleston, W. Va.  
 Farm J. D. Chapman Acres \_\_\_\_\_  
 Location (waters) Two Mile Creek  
 Well No. 2 Elev. 915'  
 District Grant County Cabell  
 The surface of tract is owned in fee by J. D. Chapman  
 Address \_\_\_\_\_  
 Mineral rights are owned by J. H. Marshbarger  
 Address Milton, W. Va.  
 Drilling commenced Jan. 23, 1939  
 Drilling completed April 2, 1939  
 Date shot \_\_\_\_\_ Depth of shot \_\_\_\_\_  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 176,000 Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
 Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	12'	12'	Size of
8 1/2	804'		
6 5/8	2024'	2024'	Depth set
5 3/16	411'	411'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. FT. \_\_\_\_\_ Date \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Surface			0	14			
Sand			14	40			
Red Rock			40	75			
Sand			75	100			
Red Rock			100	175			
Blue Slate			175	325			
Sand			325	375			
Blue Slate			375	425			
Red Rock			425	450			
Sand			450	485	Water	460	
Blue Slate			485	612			
White Sand			612	653			
White Slate			653	755			
Sand			755	855	Water	800'	
Slate			855	872	Water	810 to 880	
Sand			872	1030			
Slate & Shell			1030	1320			
Sand			1320	1350			
Black Slate			1350	1354			
Salt Sand			1354	1527	Water	1412	
Black Slate			1527	1552			
Sand			1552	1562			
White Slate			1562	1620			
Sand			1620	1631			
Little Lime			1631	1655			
Pencil Cave			1655	1660			
Big Lime			1660	1844			
Slate & Shells			1844	1904			
Big Injun Sand			1904	1991			
Slate & Shells			1991	2426			
Brown Shale			2426	2452			
Berea Grit			2452	2467	Gas	2456-2462	
Lime Shell			2467	2497			
Slate & Shells			2497	2724			
Lite Shale			2724	3040			
White Slate			3040	3352			
Brown Shale			3352	3373			
White Slate			3373	3421			
Brown Shale			3421	3530	Gas	3421	
White Slate			3530	3545			
Brown Shale			3545	3620			
White Slate			3520	3640			



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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Shale			3640	3715			
White Slate			3715	3725			

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Date....., 19.....

APPROVED....., Owner

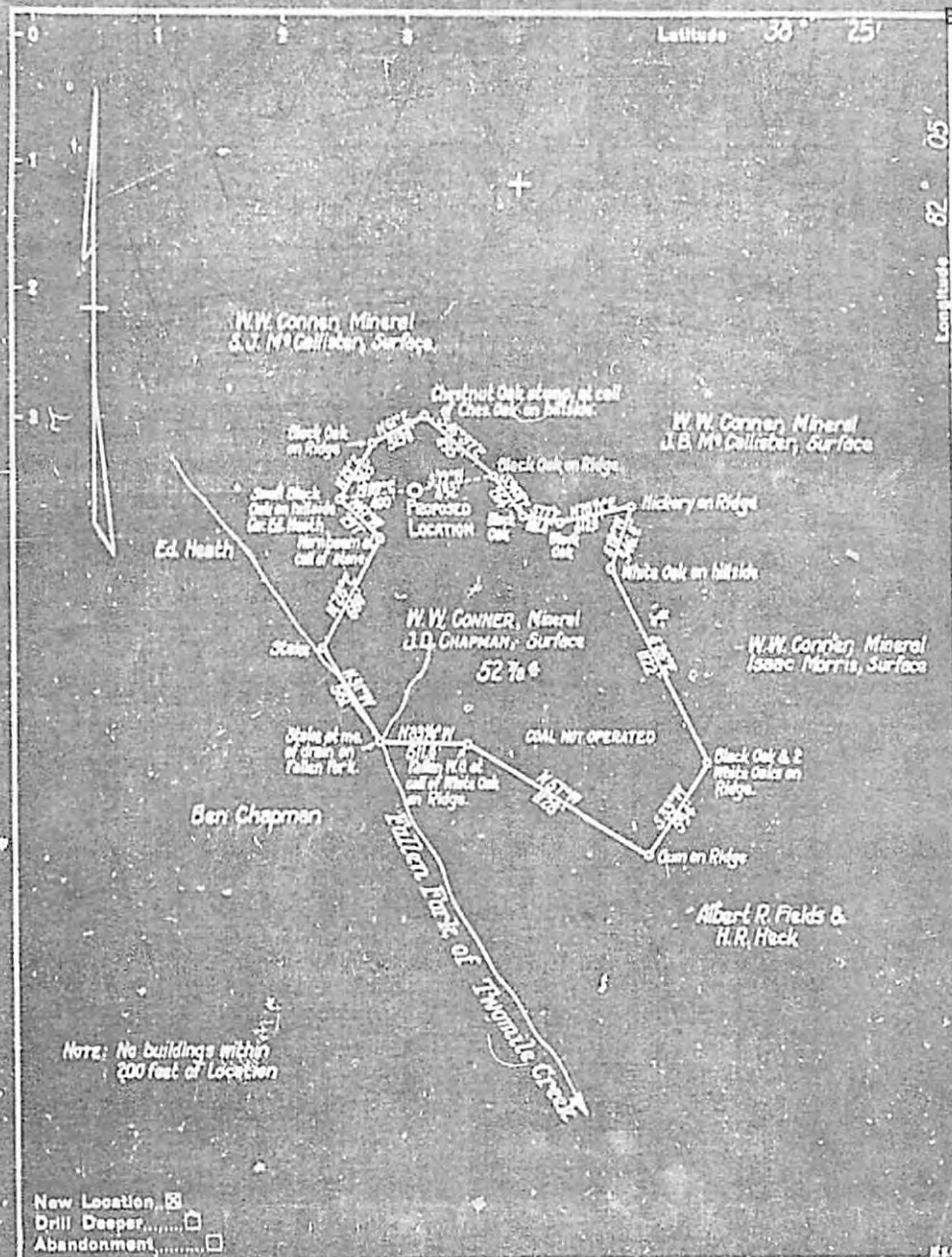
By.....  
(Title)



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*Robert W. Patton*



Note: No buildings within 200 feet of Location

- New Location
- Drill Deeper
- Abandonment

Company BIG TWO-MILE GAS COMPANY  
 Address Box 1606 CHARLESTON, W.VA.  
 Farm W.W. CONNER (J.D. CHAPMAN, SURFACE)  
 Tract \_\_\_\_\_ Acres 52.76 Lease No. \_\_\_\_\_  
 Well (Farm) No. ONE Serial No. CONNER #2  
 Elevation (Spirit Level) 915  
 Quadrangle MILTON N.W.  
 County CABELL District ORANT  
 Engineer William A. Trasky  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date DECEMBER 22, 1938 Scale 1 INCH = 660 FEET

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

WELL LOCATION MAP  
 FILE NO. 661-337

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

= Denotes one inch spaces on border line of original tracing.



WW-4A  
Revised 6-07

1) Date: May 8, 2017  
2) Operator's Well Number  
Adaline Chapman #2  
3) API Well No.: 47 - 011 - 00337

**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>Russell S. Ripley</u>	Name <u>N/A</u>
Address <u>1965 Morrison Road R.R. 1 Box 84</u>	Address _____
<u>Milton, WV 25541-9709</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
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 <u>304-552-8308</u>	_____

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**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 Teavee Oil & Gas, Inc.  
 By: Duane K. Bowers   
 Its: Designated Agent  
 Address P. O. Box 27  
Winfield, WV 25213  
 Telephone 304-586-9699

Subscribed and sworn before me this 30 day of may, 2017  
[Signature] Notary Public  
My Commission Expires July 10, 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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



WW-9  
(5/16)

API Number 47 - 011 - 00337  
Operator's Well No. Adaline Chapman #2

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) Fallen Fork of Big Two Mile Creek Quadrangle Milton, 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: Salt water, Crude Oil, Bentonite gel, cement tailings

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? 20 MIL

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 \_\_\_\_\_ )

Will closed loop system be used? If so, describe: NO

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

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_ RECEIVED Office of Oil and Gas

Additives to be used in drilling medium? \_\_\_\_\_ JUN 5 2017

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. LEAVE IN PIT (SHOULD NOT BE ANY APPRECIABLE CUTTINGS)

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) CEMENT WV Department of Environmental Protection

-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 Duane K. Bowers

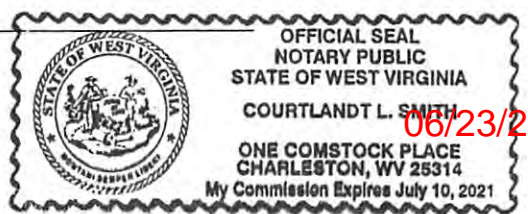
Company Official (Typed Name) Duane K. Bowers

Company Official Title Designated Agent

Subscribed and sworn before me this 30 day of MAY, 2017

[Signature] Notary Public

My commission expires JULY 10, 2021



Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 6.5

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

Kentucky 31 Tall Fescue 50#

Winter Wheat 100#

Ladina Clover 10#

**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: \_\_\_\_\_

Comments: \_\_\_\_\_

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OK  
gmm

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

Field Reviewed? ( ) Yes ( ) No



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): Fallen Fork of Big Two Mile Creek Quad: Milton WV  
Farm Name: Adeline Chapman #2

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

See our attached approved treatment process.  
There is nothing in our plugging operation that will contaminate the ground water. We will have a 20 mil liner in the pit and the pit size is 5 times bigger than the well bore capacity.

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

In the event the well produces more fluids during the plugging operations than anticipated we will vacuum truck water to our holding tanks for disposal through our Brine Disposal Co.

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

Mud River is 2,59 miles from the well location. There is no well head protection area in the discharge area.

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

None

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

06/23/2017

No data available.

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

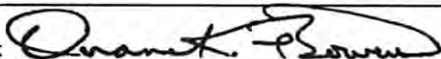
This is a plugging operation, no drill cuttings are anticipated, all salt water will be treated, diluted, and predischage tested and approved by DEP Oil and Gas Inspector. All crude oil will be skimmed and barreled, for sale. No waste material will be used for deicing or fill material at this location or 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 well site employees are trained in house to identify leaks from the well head and pit, as well as equipment leaks. Operator Qualifications on Spill Materials is part of our training mission.

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

Daily on site inspection of pit walls, pit liner and any associated equipment will be inspected for leaks and or spills. spills will be cleaned up promptly and disposed of in the proper manner. Secondary containment will be used if a leak is found in pit walls and or liner.

Signature: 

Date: 06/21/2017

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## TEAVEE OIL & GAS, INC.

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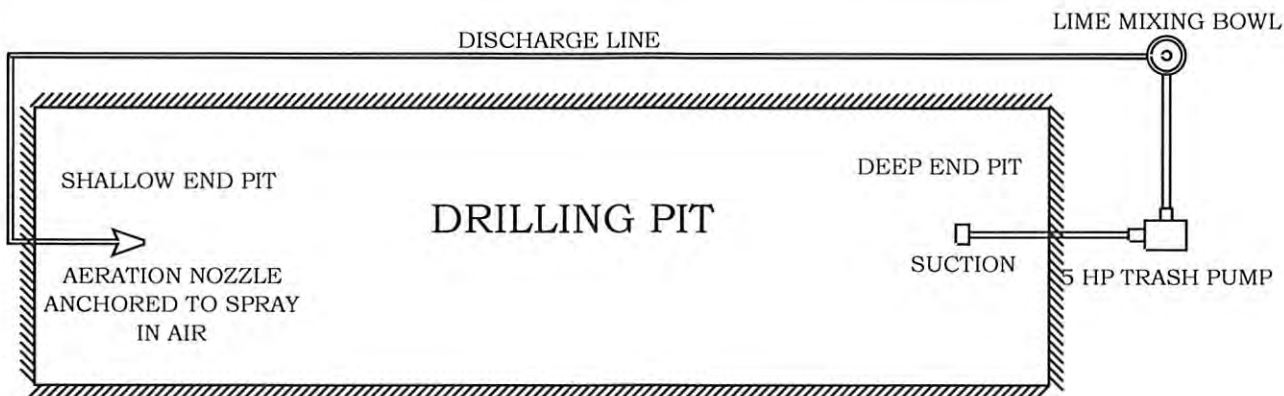
CORPORATE OFFICES

P. O. BOX 27  
WINFIELD, W. VA. 25213  
(304) 586-2151

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

### AERATION TECHNIQUE #038

1. TEST PIT WATER FOR OPTIONAL PRETREATMENT PARAMETERS
2. START 5 H.P. TRASH PUMP MIX HYDRATED LIME TO PIT WATER AND SPRAY UP INTO AIR OVER SHALLOW END OF PIT
3. AERATE PIT WATER FOR 8 HOURS OR LONGER TO GET pH 6.5-7.0 OR NORMAL RANGE.
4. RECORD ALL INFORMATION ON WR-34 AND COMPANY RECORDS
5. LET PIT STAND FOR REQUIRED NUMBER OF SETTLING DAYS
6. CHECK FOR PREDISCHARGE PARAMETERS IF PIT IS NOT ACCEPTABLE CONTINUE AERATION OF WATER FOR ADDITIONAL TIME

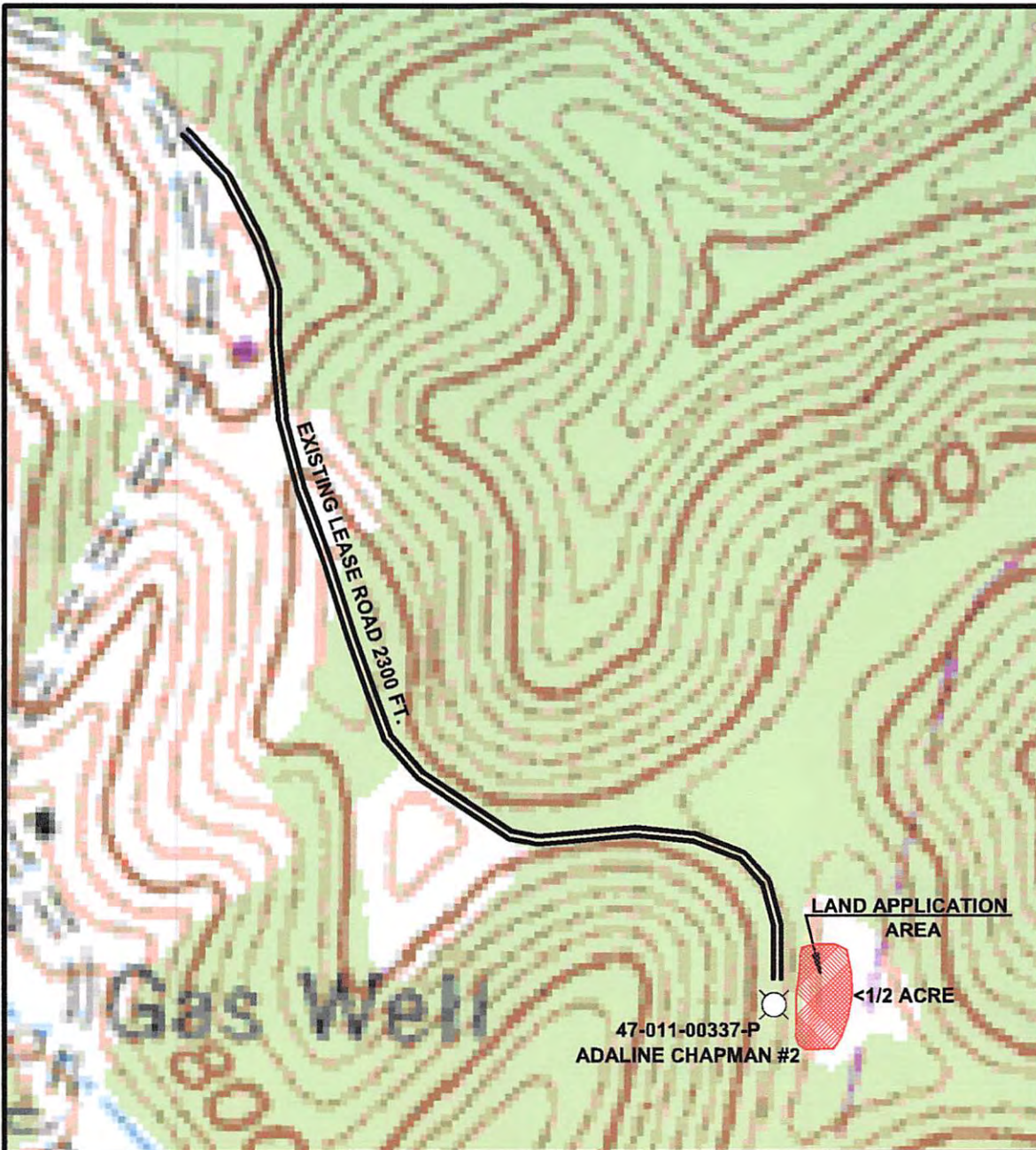


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# TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,  
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P. O. BOX 27  
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# ADALINE CHAPMAN #2 47-011-00337-P



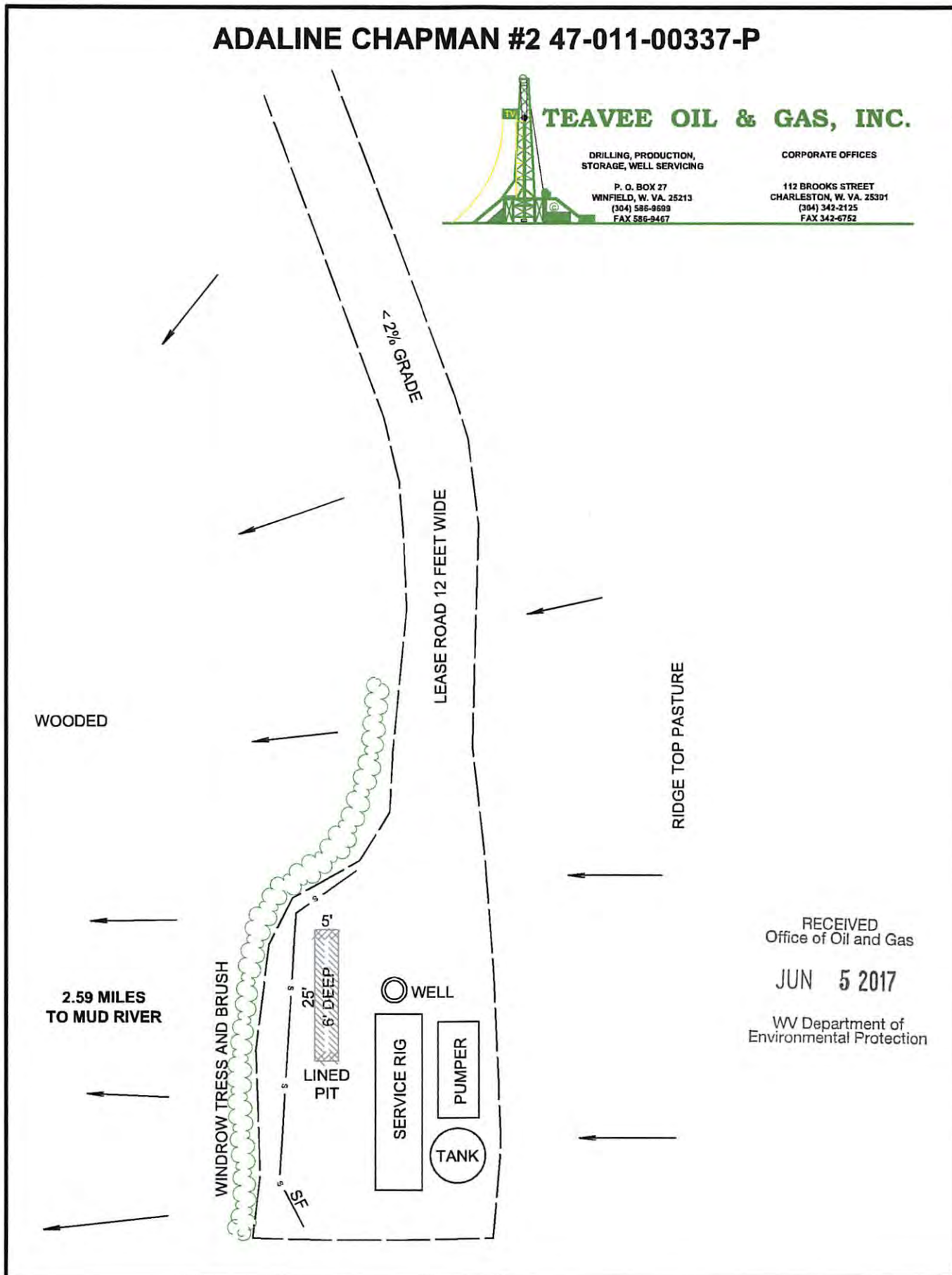
## TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,  
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CORPORATE OFFICES

P. O. BOX 27  
WINFIELD, W. VA. 25213  
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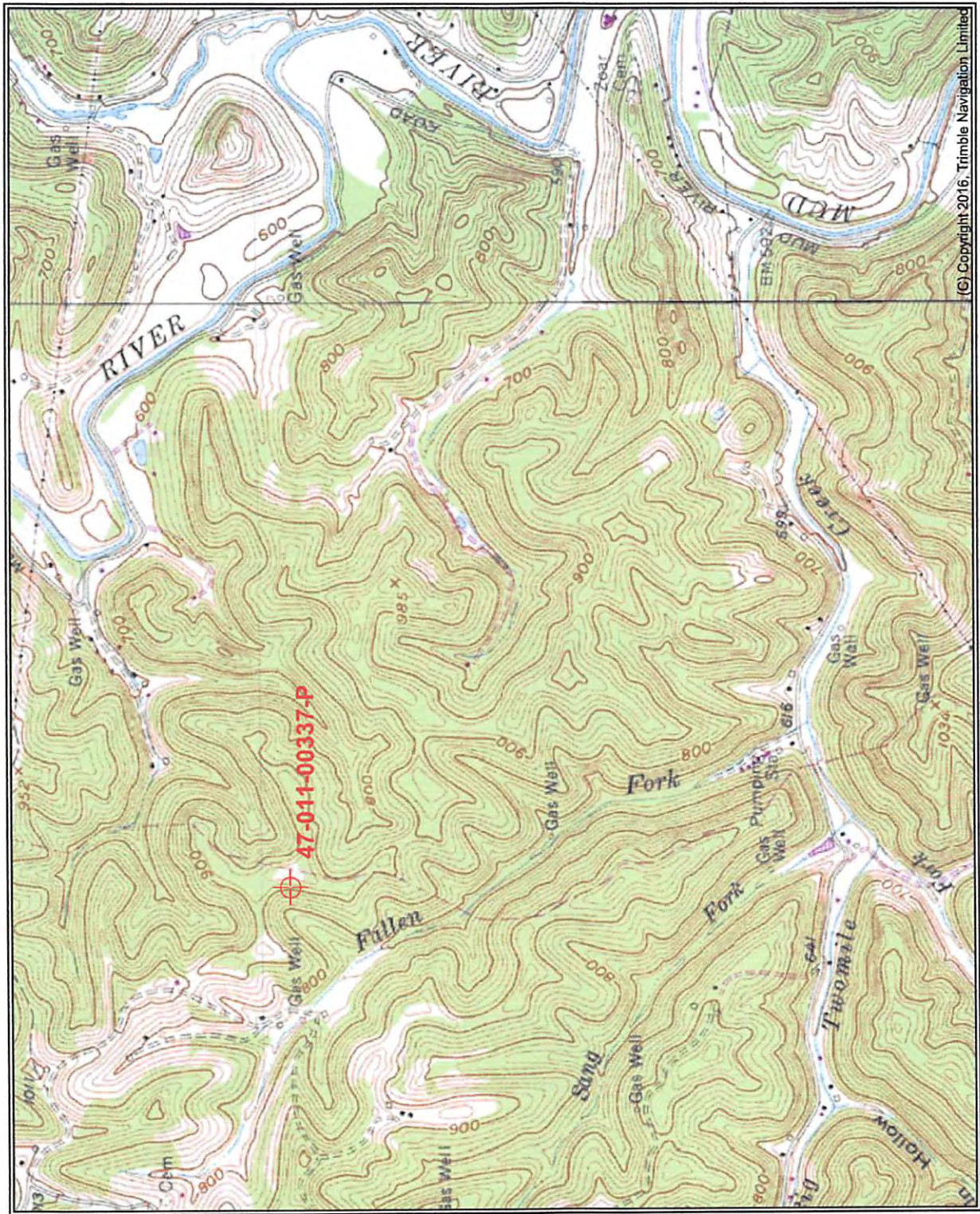


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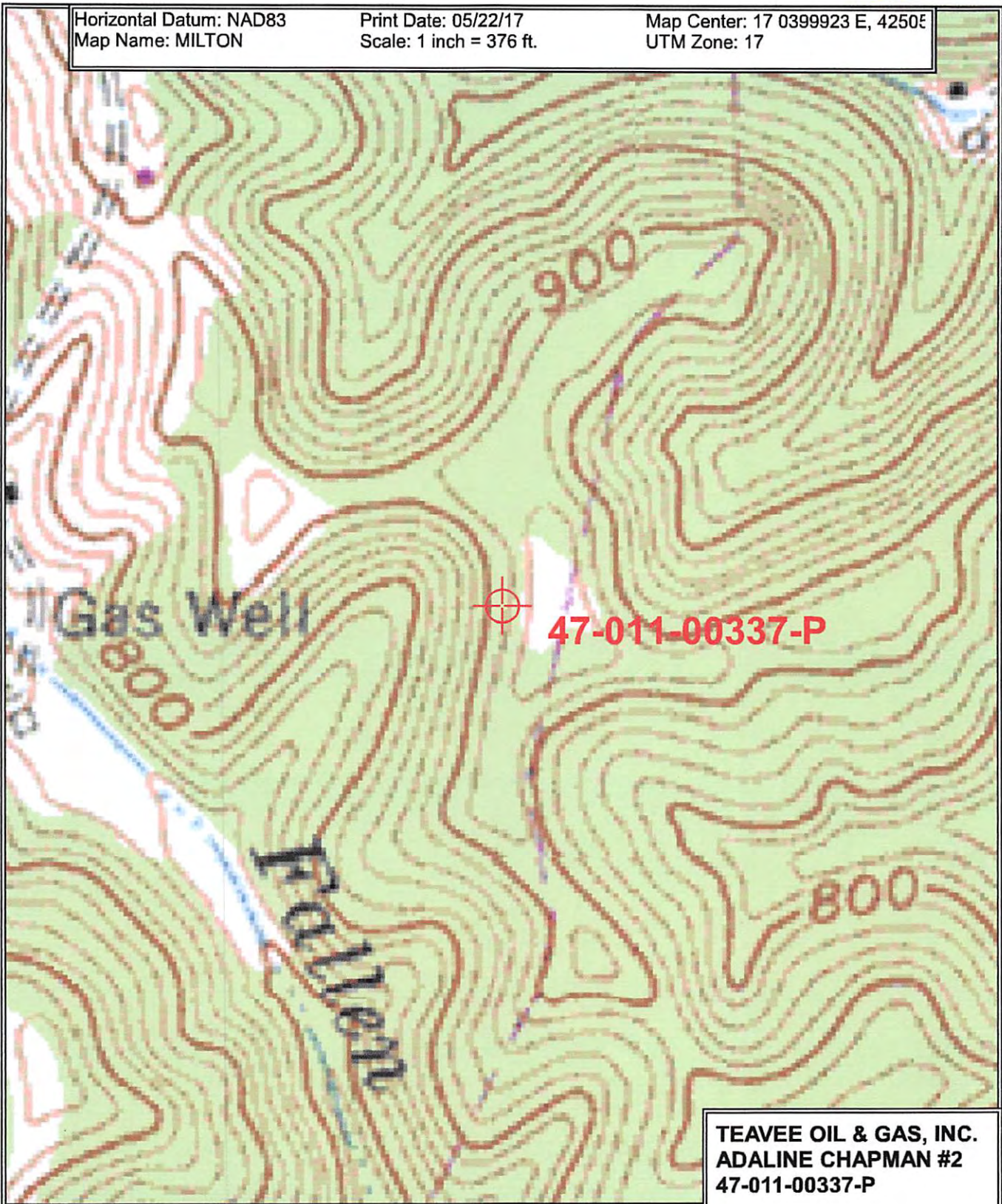


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Horizontal Datum: NAD83  
Map Name: MILTON

Print Date: 05/22/17  
Scale: 1 inch = 376 ft.

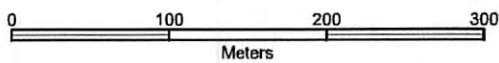
Map Center: 17 0399923 E, 42505  
UTM Zone: 17



**TEAVEE OIL & GAS, INC.  
ADALINE CHAPMAN #2  
47-011-00337-P**

**UTM NAD 83  
17 399923.82 E  
4250530.40 N  
ELEV: 283.51 METERS**

SCALE 1:4514



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WW-7



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Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-011-00337-P WELL NO: ADALINE CHAPMAN #2

FARM NAME: ADALINE CHAPMAN

RESPONSIBLE PARTY NAME: TEAVEE OIL & GAS, INC.

COUNTY: CABELL COUNTY DISTRICT: GRANT DISTRICT

QUADRANGLE: MILTON, WEST VIRGINIA

SURFACE OWNER: RUSSELL S. RIPLEY

ROYALTY OWNER: FLAT WELL ROYALTY

UTM GPS NORTHING: 4250530.40 METERS

UTM GPS EASTING: 17 399923.82 METERS GPS ELEVATION: 283.51 METERS

The responsible party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit 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 topographic 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.

DUANE K. BOWERS PS 1995

Signature  
5/18/2017  
Date

PROFESSIONAL SURVEYOR  
Title



WW-7

06/23/2017