



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

Monday, August 27, 2018
WELL WORK PERMIT
Vertical / Plugging

TEAVEE OIL & GAS, INC.
112 BROOKS STREET

CHARLESTON, WV 253010000

Re: Permit approval for HARSHBARGER 4
47-011-00854-00-00

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: HARSHBARGER 4
Farm Name: HARSHBARGER, J. H. & OLG/
U.S. WELL NUMBER: 47-011-00854-00-00
Vertical Plugging
Date Issued: 8/27/2018

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.

1) Date June 19, 2018
2) Operator's
Well No. J.H. Harshbarger #4
3) API Well No. 47-011-00854

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 980.7 feet Watershed 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 PO Box 27 Address PO Box 27
Winfield, WV 25213 Winfield, WV 25213

8) Oil and Gas Inspector to be notified Name Allen Flowers
Address 165 Grassy Lick Lane
Liberty, WV 25124
9) Plugging Contractor Name To Be Determined
Address

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10) Work Order: The work order for the manner of plugging this well is as follows:
RIH to check wellbore conditions. Try removing packer set at 2,802'. Based on removal of packer, all 3" production tubing will be removed.
Run tubing to the top of shots @ 3,408', gel hole to 1,000'. Set BHP @ 3,450'-3,350'. Pull tubing up to 2,600' and set plug across
Berea Grit @ 2,600'-2,500'. Pull tubing to surface. Attempt to cut or pull 6.625" casing @ 1,970'. Pull 200' of casing, RIH with tubing, set cement
plug across hycarbon bearing zones @2,000'-1,850'. POOH, remove another 500' of casing. RIH with tubing, set cement plug across
oil/water zone @ 1,550'-1,350'. POOH & remove remaining casing out of well. RIH with tubing to 940' and plug across water zone from 960'-860'.
pull tubing to 410' and plug across water bearing zone @ 410-285', 50' above and below water zone. Pull to 100' and set top plug from 100'-0'.
Install 7" monument labeled with API# and plugged date. Rig down equipment and fluid tanks, reclaim all effected property, seed and mulch entire location.
If not able to remove packer, a cement plug will be placed above the packer from 2,800'-2,700'. If 6.625" casing is unable to be removed holes will be ripped at all necessary plug depths.

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

Work order approved by inspector  Date 9-11-18



TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

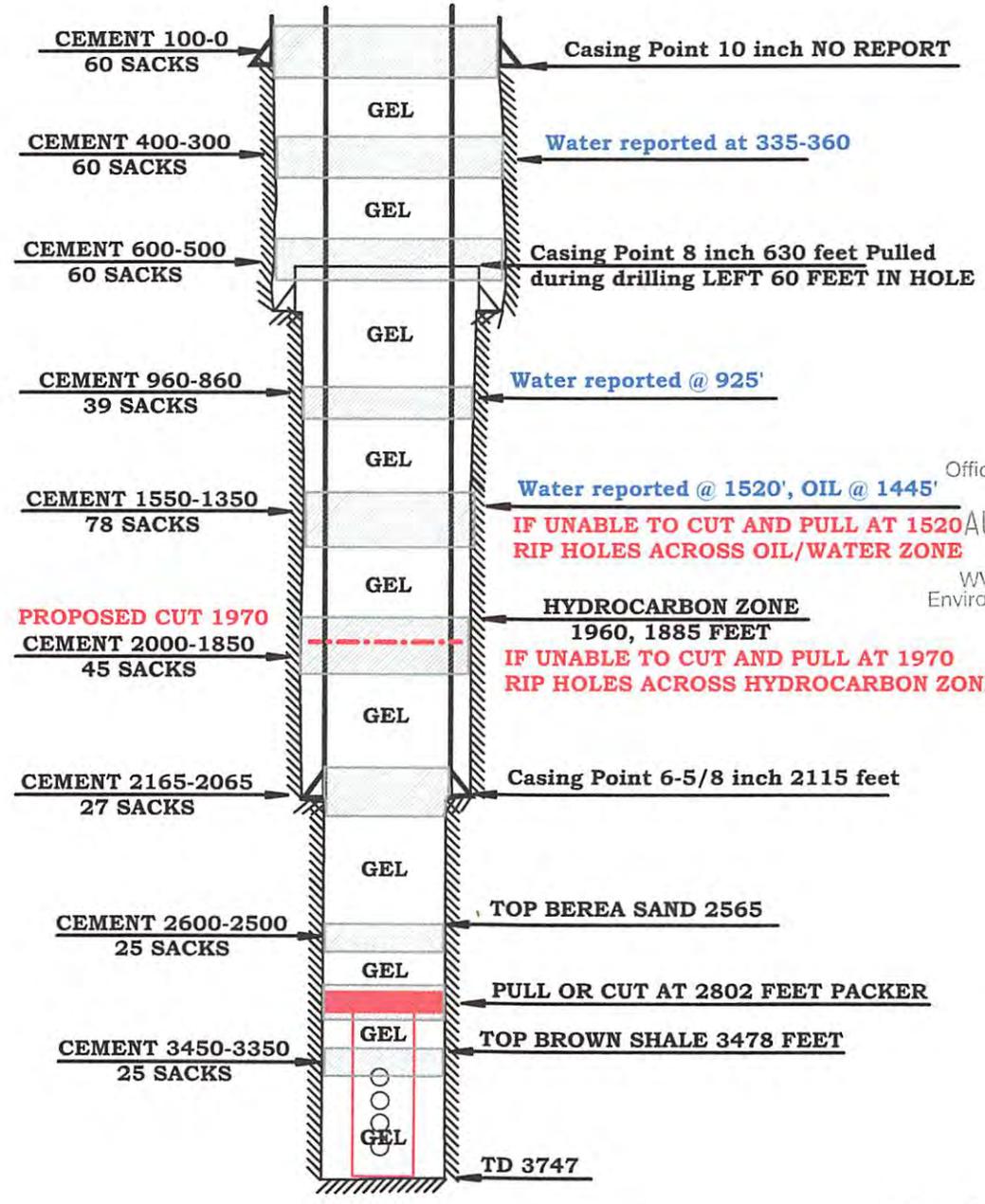
CORPORATE OFFICES

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

47-011-00854-P J. H. HARSHBARGER
GRANT DISRTICT CABELL COUNTY WV

WELL PLUGGING SCHEMATIC



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AF. 7-11-18

Well No. 4

HIS TWO MILL GAS COMPANY
 J. B. HANSMARGER FARM
 GRANT DISTRICT, CARROLL COUNTY, W. VA.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Remarks</u>
Red Rock, Clay and Boulders	0	355	
Sand	355	360	
Not recorded	360	900	
Sand	900	1440	
Salt Sand	1440	1760	Show of oil 1445'
Haxton Sand	1760	1775	
Slate	1775	1780	
Little Lime	1780	1795	
Pencil Cave	1795	1803	
Big Lime	1803	1910	Show of oil 1885'
Keener Sand	1910	2015	Show of gas 1960'
Slate	2015	2030	
Big Injun	2030	2110	
Slate	2110	2555	
Brown Shale	2555	2565	
Berea Grit	2565	2577	Gas 2569' to 2577'
Black Shell	2577	2587	

Well commenced January 16, 1928

Drilling Crew:
 G. W. Kline, Wm. Handloy, Drillers
 Ommie Harbour, Zell Martin, Helpers

Shot: March 15, 1928 - 40 qts.

Well gauged 35/10 after shot

March 22, 1928 well tubed and turned into line.

GASING RECORD

<u>Size</u>	<u>Used</u>	<u>Pulled Out</u>	<u>Left In</u>
8-1/4"	630	570	
6-5/8"	2115		2115

Well No. 4

BIG TWO HILL GAS COMPANY
 J. H. HARKSBARGER FARM
 GRANT DISTRICT, CABELL COUNTY, W. VA.

Deepening of Well

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Remarks</u>
Slate and Shell	2577	2890	
Light Brown Shale	2890	3000	
Slate and Shell	3000	3265	
Light Brown Shale	3265	3285	
White Slate	3285	3460	
Grey Shale	3460	3478	
Brown Shale	3478	3508	
White Slate	3508	3545	
Dark Brown Shale	3545	3680	Gas 3443; Increase 3463
White Slate	3680	3690	Increase 3485; Increase 3645
Brown Shale	3690	3741	Increase 3695
Slate	3741	3746 $\frac{1}{2}$	
Total Depth		3743 $\frac{3}{4}$	

Shot October 12, 1934 with 2300 lb. gelatin

Top of shot 3408'; bottom of shot 3746'

Combination wall and anchor packer set at 2802'

Tubed with 3747 ft. of 3" tubing

Turned into line October 14, 1934

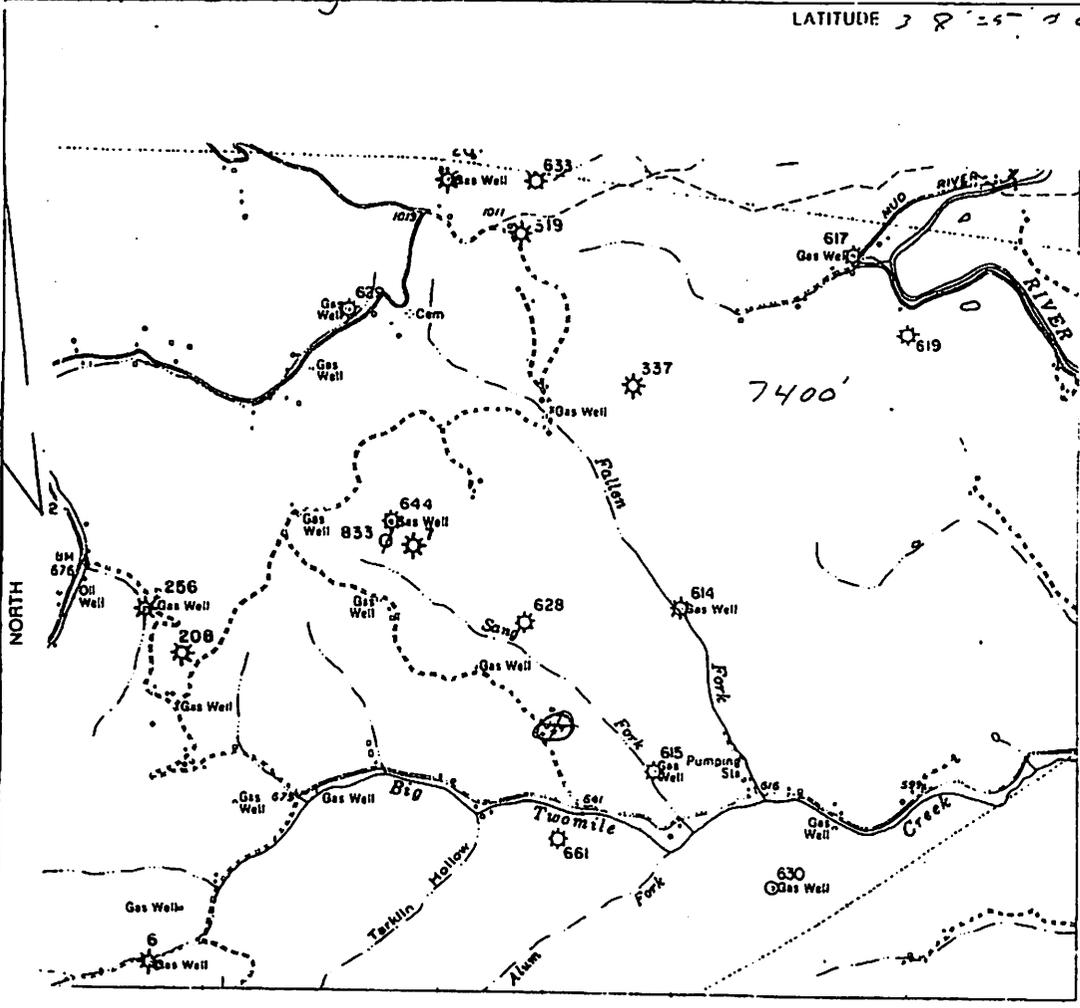
Gauged 31/10 mercury in 2" one hour after shot

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1/10/11 12:17 7400

LATITUDE 38° 55' 00"

LONGITUDE 81° 07' 30"



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

FILE NO. _____
 DRAWING NO. _____
 SCALE _____
 MINIMUM DEGREE OF ACCURACY _____
 PROVEN SOURCE OF ELEVATION _____

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 DEPARTMENT OF ENERGY.
 (SIGNED) _____
 R.P.E. _____ L.L.S. _____

PLACE SEAL HERE

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STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS



Completion DATE March 22, 19 28

OPERATOR'S WELL NO. _____

API WELL NO. 47-011-0954

STATE 47 COUNTY 011 PERMIT 0954

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION _____ WATERSHED _____
 DISTRICT Grant COUNTY Cabell

QUADRANGLE M. 1700
 SURFACE OWNER J. H. Harris, Bradley & Co. Harshbarger ACREAGE 238

OIL & GAS ROYALTY OWNER Same LEASE ACREAGE 238

LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PENETRATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

COUNTY NAME
 PERMIT

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION Perret (shale) ESTIMATED DEPTH 2587

WELL OPERATOR Big Two Mile Gas Co. DESIGNATED AGENT Ed H. Maier, President

ADDRESS P.O. Box 4190, Charleston, WV 25362 ADDRESS P.O. Box 4190, Charleston, WV 25362

W.T. HALL - 11571 FORM WW-6

WW-4A
Revised 6-07

1) Date: June 19, 2018
2) Operator's Well Number
J.H. Harshbarger #4
3) API Well No.: 47 - 011 - 00854-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>Kim R. & Ladonna S. Jackson</u>	Name <u>N/A</u>
Address <u>R.R. 2 Box 329 Milton WV 25541-9786</u>	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
(c) Name _____	Address _____
Address _____	Name _____
(c) Coal Lessee with Declaration	Address _____
6) Inspector <u>Allen Flowers</u>	Name <u>N/A</u>
Address <u>165 Grassy Lick Lane</u>	Address _____
<u>Liberty, WV 25124</u>	
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.

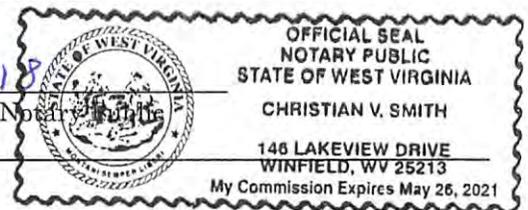
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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.

CHK# 13697
Amt \$ 100.00
7/31/18

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 19th day of June, 2018

My Commission Expires May 25th, 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 deprivacyofficer@wv.gov.

SURFACE OWNER WAIVER

Operator's Well
Number

011-00854-P

J.H. Harshbarger #4

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

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Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,


Signature

Date 07/27/18 Name _____
By _____
Its _____

_____ Date _____

Signature

08/31/2018
Date

WW-9
(5/16)

API Number 47 - 011 - 00854
Operator's Well No. J. H. Harshbarger #4

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) 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. N/A Plugging Operation

-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. Very little formation returns expected, leave in pit

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

-Landfill or offsite name/permit number? N/A

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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.

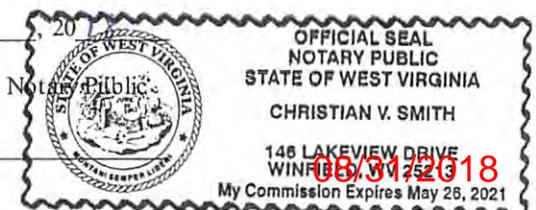
Company Official Signature Duane K. Bowers

Company Official (Typed Name) Duane K. Bowers

Company Official Title Designated Agent

Subscribed and sworn before me this 19th day of June

My commission expires May 26th 2021



Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 7

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 Fescus 50#

Winter Wheat 100#

Ladino 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: Alvin D. Flowers

Comments: _____

Mudwell & Road, site

Prohibit 29 H. review M. inspection.

no IR no muddy water

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WV Department of
Environmental Protection

Title: Site Inspector

Date: 9-17-18

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): Big Two Mile Creek Quad: Milton
Farm Name: J. H. Harshbarger

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 procedure that will contaminate the ground water. 20 MIL pit liner will be utilized in this plugging operation, into which all recovered fluids will be captured.

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

Earthen pit will be dig and a berm created around it so all well fluids will enter the lined pit.

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

Big Two Mile Creek of Mud River which is located 1,115' from the well head. There are no Well Head Protection Areas.

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

None

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

N/A

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 saltwater will be treated, diluted, and predischage tested and approved by DEP Oil & 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 company employees are trained in house to identify leaks from the well head and flow lines, as well as equipment leaks. Operator qualifications on spill materials is part of our training mission. All contractors will be held responsible to meet or exceed all company operations and safety protocol.

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

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

Signature: Quane K. Bowen

Date: June 19, 2018



TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

CORPORATE OFFICES

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

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

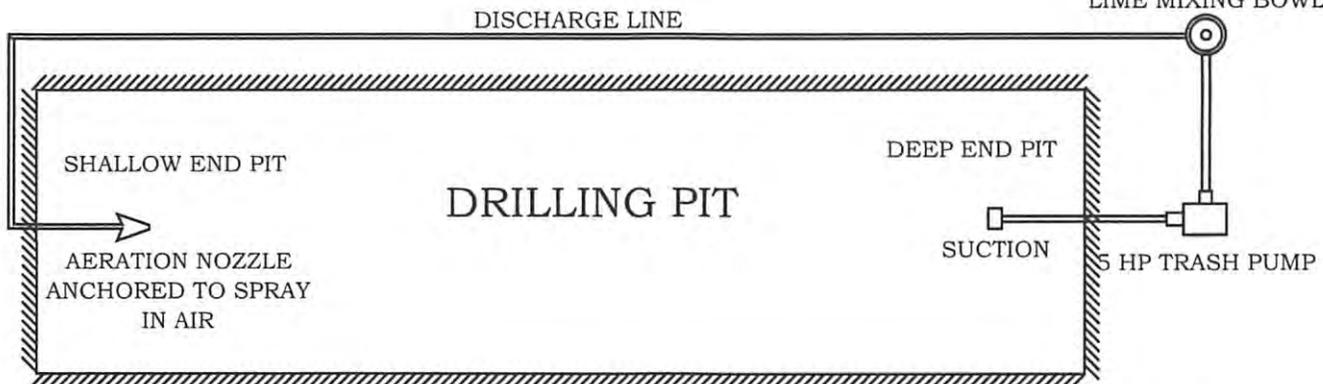
AERATION TECHNIQUE #038

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 HIGH
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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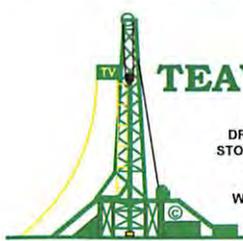
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APC. 9-11-18

47-011-00854P

J. H. HARSHBARGER #4 47-011-00854-P



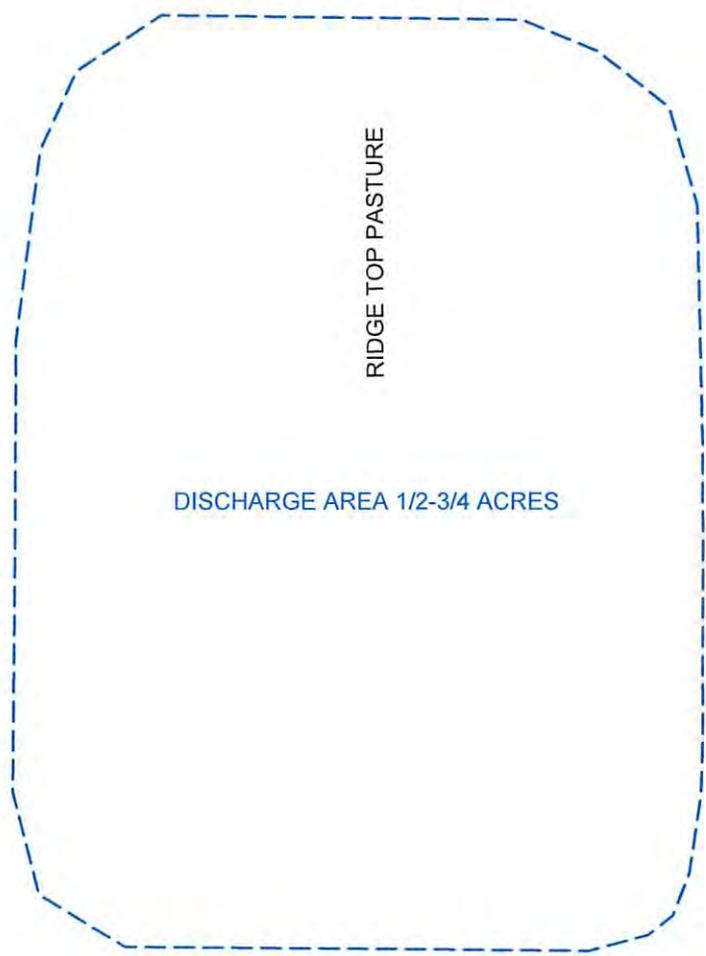
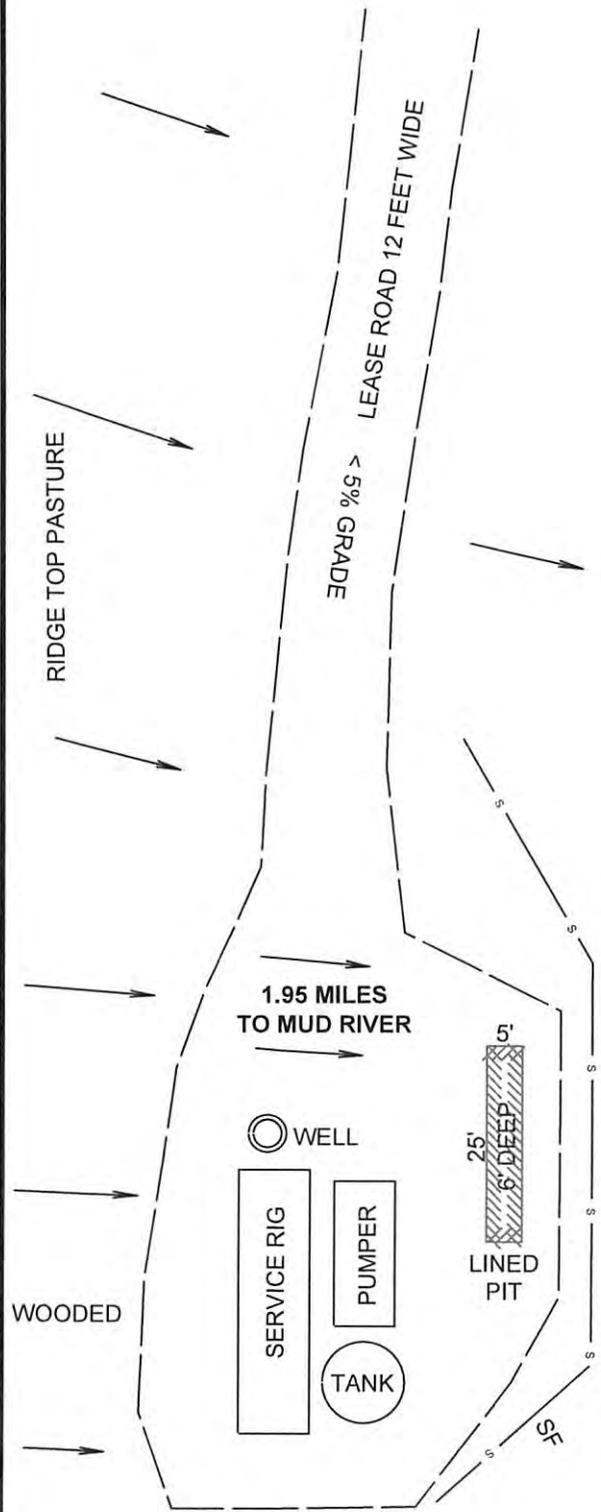
TEAVEE OIL & GAS, INC.

DRILLING, PRODUCTION,
STORAGE, WELL SERVICING

CORPORATE OFFICES

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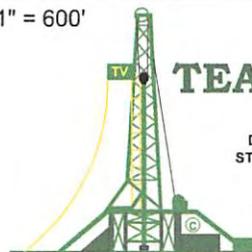
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WV Department of
Environmental Protection

NOT TO SCALE

08/31/2018

1" = 600'



TEAVEE OIL & GAS, INC.

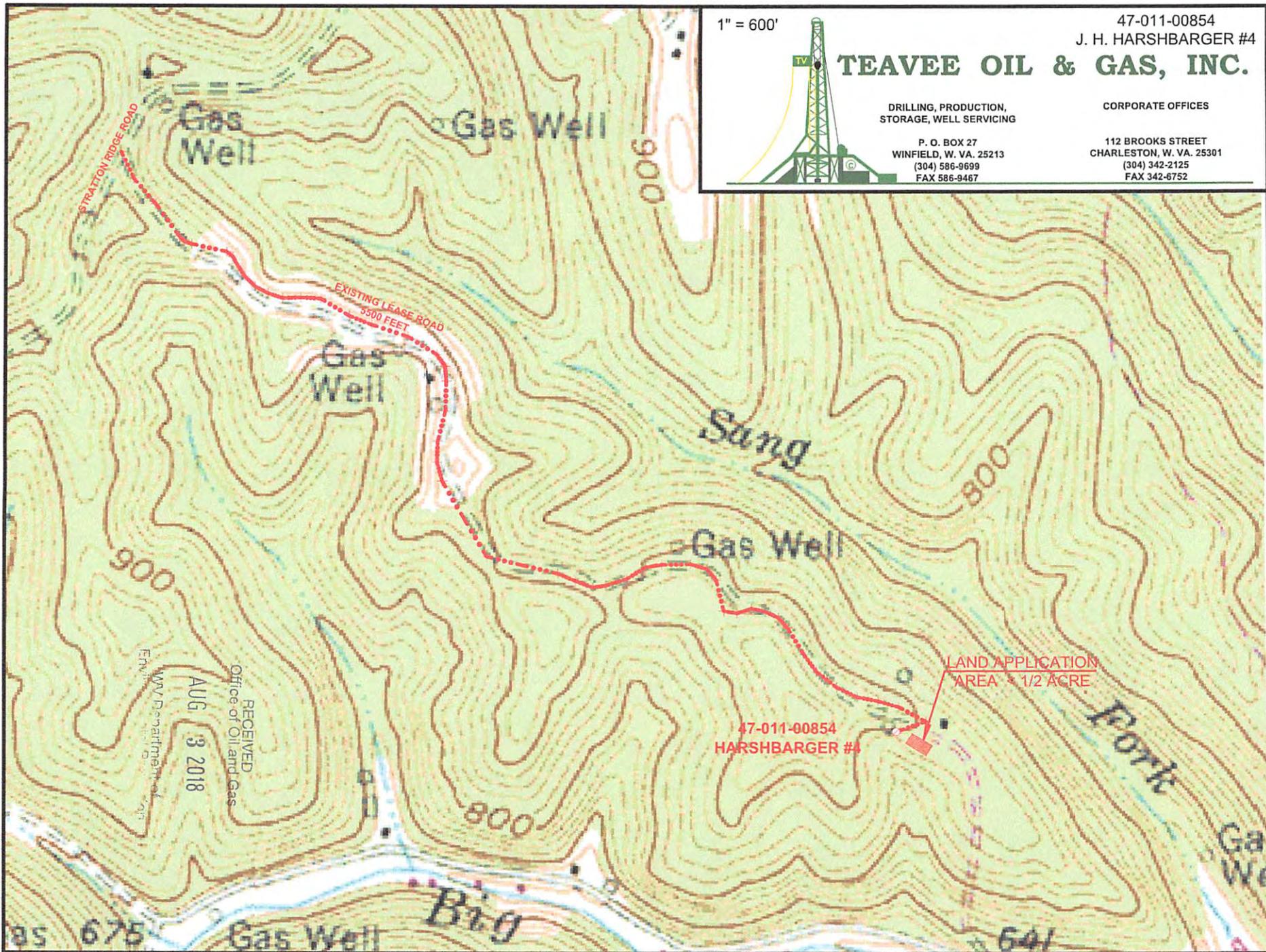
DRILLING, PRODUCTION,
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47-011-00854
J. H. HARSHBARGER #4



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AUG 13 2018
WV Department of
Environmental Protection

47-011-00854
HARSHBARGER #4

LAND APPLICATION
AREA = 1/2 ACRE

47-011-00854P

47-011-00854P

(ATHALIA)



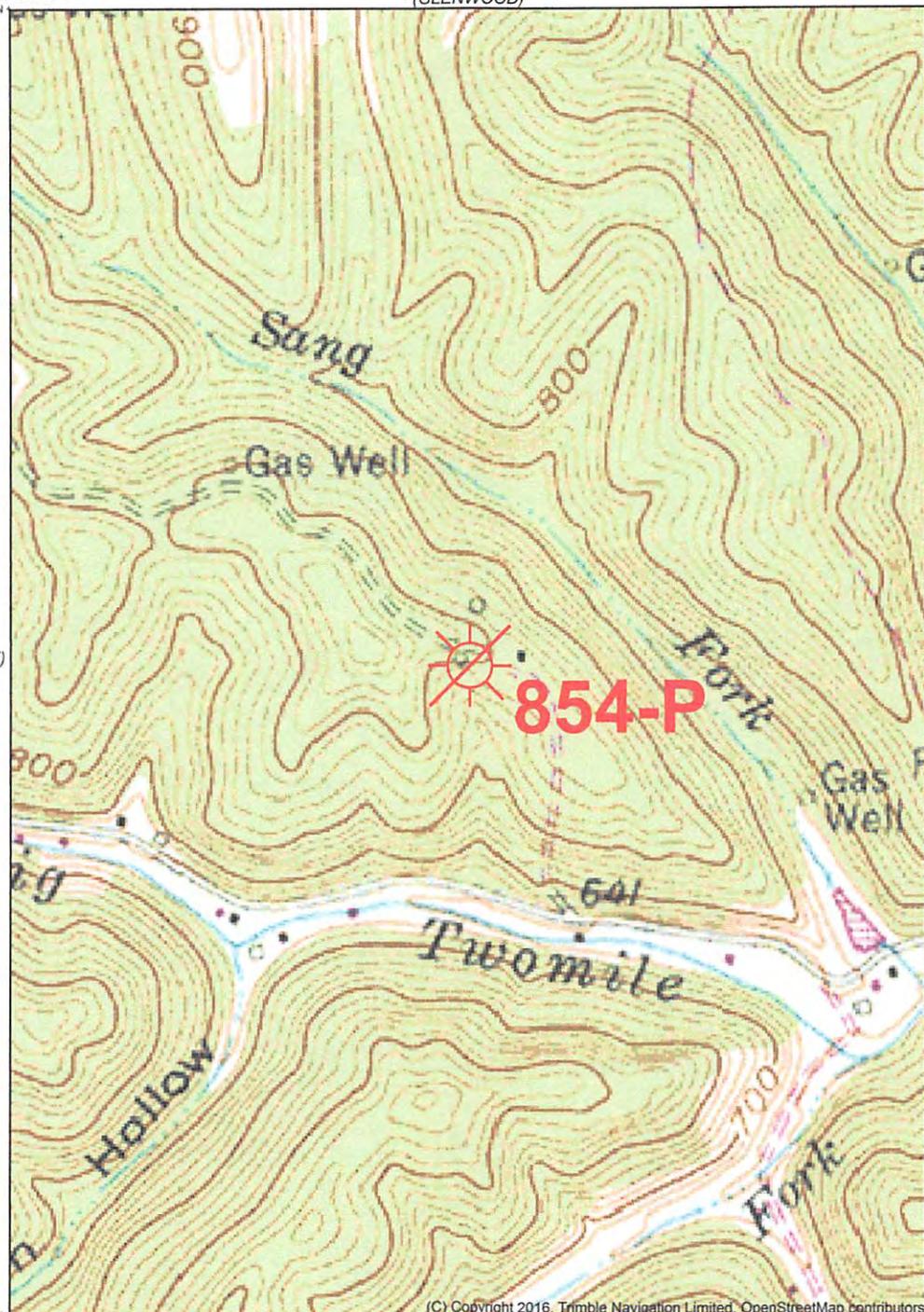
MILTON QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(MT OLIVE)

082° 08' 27.5222" W
038° 23' 34.8159" N

(GLENWOOD)

082° 08' 37.2079" W
038° 23' 34.8159" N



(BARBOURSVILLE)

(HURRICANE)

RECEIVED
Office of Oil and Gas
AUG 3 2018
WV Department of
Environmental Protection

038° 22' 38.9484" N
082° 09' 27.5222" W

(WEST HAMLIN)
SCALE 1:8000

Printed: Wed May 23, 2018
082° 08' 37.2079" W
038° 22' 38.9484" N

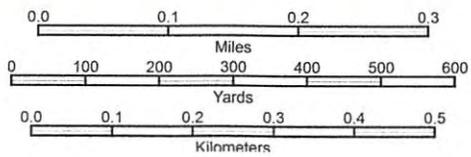
(HAMLIN)

(WINSLOW)

Produced by Trimble Terrain Navigator Pro
Topography based on USGS 1:24,000
Maps

North American 1983 Datum (NAD83)

To place on the predicted North American
1927 move the projection lines 10M N and
12M E



CONTOUR INTERVAL 20 FT

38082-D1-TM-024
MILTON, WV
JAN 1, 1989

08/31/2018



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-011-00854-P WELL NO: J. H. HARSHBARGER #4

FARM NAME: J. H. HARSHBARGER

RESPONSIBLE PARTY NAME: TEAVEE OIL & GAS, INC.

COUNTY: CABELL COUNTY DISTRICT: GRANT DISTRICT

QUADRANGLE: MILTON, WEST VIRGINIA

SURFACE OWNER: KIM JACKSON

ROYALTY OWNER: FLAT WELL ROYALTY

UTM GPS NORTHING: 4249187.62 METERS

UTM GPS EASTING: 17 399502.63 METERS GPS ELEVATION: 271.19 METERS (980.7')

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

03/22/2018

Date

PROFESSIONAL SURVEYOR

Title



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