



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Wednesday, May 13, 2020  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

PETHTEL OIL & GAS  
2317 BROAD STREET

PARKERSBURG, WV 261012876

Re: Permit approval for P. DUTTON 1  
47-073-01326-00-00

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: P. DUTTON 1  
Farm Name: JOHN & ROBERTA DUTTON  
U.S. WELL NUMBER: 47-073-01326-00-00  
Vertical Plugging  
Date Issued: 5/12/2020

Promoting a healthy environment.

R

47-073-01326P

## 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.

1) Date MARCH 16, 2020  
2) Operator's  
Well No. P. DUTTON #1  
3) API Well No. 47-073 - 01526 P

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow \_\_\_
- 5) Location: Elevation 665 Watershed MIDDLE ISLAND CREEK  
District UNION County PLEASANTS Quadrangle RAVEN ROCK 7.5
- 6) Well Operator PETHTEL OIL & GAS 7) Designated Agent DENISE HAUGHT P.O.A  
Address 2317 BROAD ST. Address 2317 BROAD ST.  
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name CRAGIN BLEVINS Name PATCHWORK OIL & GAS, LLC  
Address 1407 19TH ST. Address PO BOX 168  
VIENNA, WV 2615 DAVISVILLE, WV 26142

10) Work Order: The work order for the manner of plugging this well is as follows:  
**SEE ATTACHED SHEET**

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Office of Oil and Gas  
**MAR 25 2020**  
WV Department of  
Environmental Protection

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

Work order approved by inspector J Cragin Blevins Date 3/23/2020

**P. DUTTON #1**  
**47-073-01326**

*Run bond logs when necessary to find cement top. Gel spacers in between all cement plugs.*

1. Prepare plugging permit application.
2. Certify to surface and coal owners as necessary.
3. Certify and/or email to designated State inspector for signature.
4. Once all signatures are obtained, copy for records and certify to state level for approval.
5. Receive plugging permit goods for 2 years.
6. Notify the designated State inspector 24 hours prior to commencing operations.
7. Move rig and equipment to location.
8. Attempt to clean out well bore, pull rods and tubing, if necessary.
9. Verify total depth of 4500'. *CLEAN OUT TO PBTO  $\approx$  4450'.*
10. Run tubing 50' below the bottom of the first set of perforations (4383'-4097') and 50' above the perforations. Set bottom plug with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 4433'-4047'.
11. Pull tubing back and wait for cement to set.
12. Run in and tag plug, add additional cement if needed.
13. Run 6% Bentonite gel.
14. Look for free-point  *$\approx$  3000'.*
15. Cut 4 ½ and remove salvage, if any.
16. Place second plug through 4 ½ (minimum 100') across the casing cut with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives.
17. Pull tubing back and wait for cement to set.
18. Run in and tag plug, add additional cement, if needed.
19. Place a third plug across 8 5/8 casing through elevation from 817'-615' with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives.
20. Pull tubing back and wait for cement to set.
21. Run in and tag plug, add additional cement if necessary.
22. Pull tubing back to 100' and place a Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives to surface.
23. Pull tubing out.
24. Set 3' high x 6" casing with concrete; add API for identification.
25. Rig down and move out.
26. Reclaim location.
27. Prepare WR-34 & WR-38 for permit release.

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*JCB*  
3/23/2020

47-073-01326P



IV-35  
(Rev. 8-81)

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 2-12-82  
Operator's  
Well No. PAUL DUTTON #  
Farm P. DUTTON  
API No. 47-073-1326

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WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas" Production  / Underground Storage  / Deep  / Shallow )

LOCATION: Elevation: 665 Watershed M. I. CREEK  
District: UNION County PLEASANTS Quadrangle RAVEN ROCK

COMPANY BISON, INC.  
ADDRESS RT. 2 BOX 83 ST. MARYS, W. VA.  
DESIGNATED AGENT HAROLD E. WILSON  
ADDRESS SAME  
SURFACE OWNER PAUL DUTTON  
ADDRESS ST. MARYS, W. VA.  
MINERAL RIGHTS OWNER SAME  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK PHIL TRACY  
ADDRESS Middlebourne, W. Va.  
PERMIT ISSUED 9-28-81  
DRILLING COMMENCED 12-2-81  
DRILLING COMPLETED 12-10-81  
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	767	767	175
7			
5 1/2			
4 1/2		4500	280
3			
2			
Liners used			

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APR 7 1982  
OIL AND GAS DIVISION

GEOLOGICAL TARGET FORMATION Benson Depth 4450 feet  
Depth of completed well 4491 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh N/A feet; Salt N/A feet  
Coal seam depths: N/A Is coal being mined in the area? N/O

OPEN FLOW DATA  
Producing formation Benson Pay zone depth 4097-4383 feet  
Gas: Initial open flow 337,000 Mcf/d Oil: Initial open flow 2 Bbl/d  
Final open flow 337,000 Mcf/d Final open flow 2 Bbl/d  
Time of open flow between initial and final tests 8 hours  
Static rock pressure 490 psig (surface measurement) after 12 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

15 - .49 HOLES 4097-4383

FRACTURE

FOAM FRAC USING 100,000# 20/40 SAND  
+ 768,000 SCF N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and c
1ST SALT			948	964	
2nd SALT			1060	1135	
3rd SALT			1154	1194	
MAXW			1277	1306	
BIG LIME			1322	1378	
Keener			1416	1448	
BIG INJUN			1495	1557	
Weir			1758	1786	
Berea			1900	1910	
50 FT			2040	2063	
30 FT			2206	2226	
Gardow			2318	2340	
4TH SAND			2434	2476	
5TH SAND			2496	2512	
TIONA			3024	3042	
Speechly			3204	3218	
BALL TOWN			3324	3353	
			3396	3422	
BRADFORD			3586	3600	
ELK			3720	3740	
Riley			4138	4165	
BENSON			4430	4450	

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(Attach separate sheets as necessary)

Bison, Inc  
Well Operator

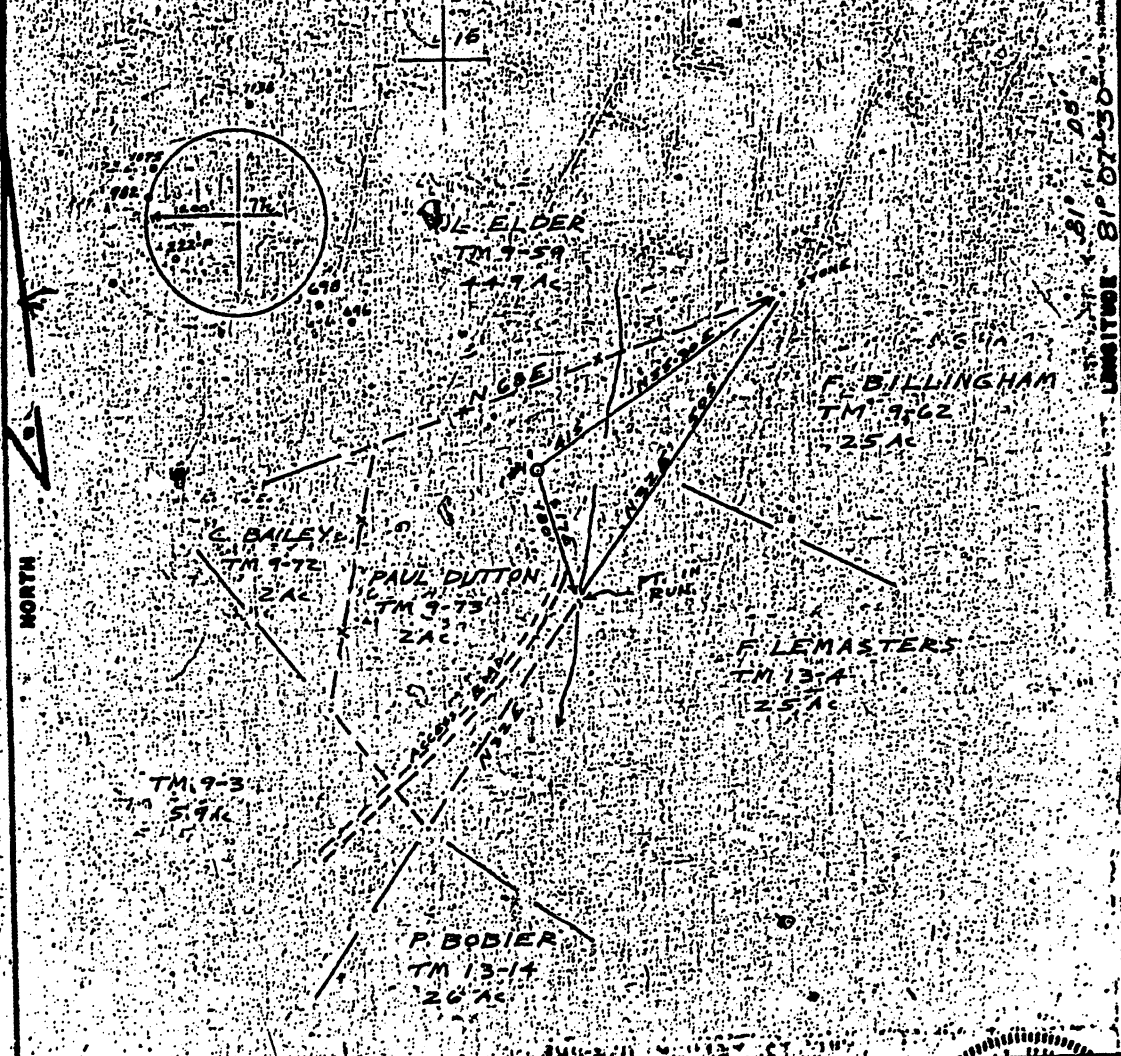
By: Ruth A. Blum  
Date: 2-11-82

Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic  
detailed geological record of all formations, including  
coal, encountered in the drilling of a well."

26 9/29

2,280

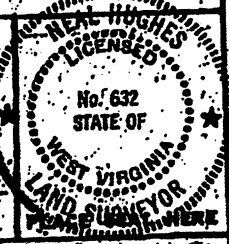
LONGITUDE 81° 25'



LONGITUDE 81° 07' 30"

FILE NO. 81-37  
 DRAWING NO. 1  
 SCALE 1" = 300'  
 MINIMUM DEGREE OF ACCURACY 1/200'  
 PROVEN SOURCE OF ELEVATION RND BSS

THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 MINES.  
 (SIGNED) Neil Hughes  
 R.P.E. L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-S  
 (8-78)



DATE SEPT 14 1981  
 OPERATOR'S WELL NO. 147-073-1326  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF GAS, PRODUCTION STORAGE DEEP SHALLOW)  
 LOCATION: ELEVATION 665 WATER SHED ML CREEK  
 DISTRICT UNION COUNTY PLEASANTS  
 QUADRANGLE RAVEN ROCK 75  
 SURFACE OWNER PAUL DUTTON ACREAGE 2  
 OIL & GAS ROYALTY OWNER PAUL DUTTON LEASE ACREAGE 2  
 PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  RE-DRILL  FRACTURE OR STIMULATE  PLUS OPR OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUS AND ABANDON  CLEAN OUT AND RE-PLUG   
 TARGET FORMATION REG. SHALE ESTIMATED DEPTH 4850  
 WELL OPERATOR BISON INC. DESIGNATED AGENT HAROLD WILSON  
 ADDRESS RT 2 BOX 85 ST MARYS WV ADDRESS RT 2 BOX 85 ST MARYS WV

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 WV Department of Environmental Protection

47-073-01326P

WW-4A  
Revised 6-07

1) Date: MARCH 16, 2020  
2) Operator's Well Number  
P. DUTTON #1

3) API Well No.: 47 - 073 - 01326

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

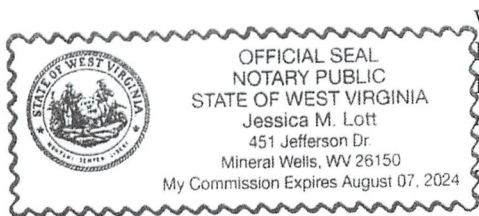
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>JOHN &amp; ROBERTA DUTTON</u>	Name <u>N/A</u>
Address <u>37 DUTTON DR</u>	Address _____
<u>ST. MARY'S, WV 26170</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>CRAGIN BLEVINS</u>	(c) Coal Lessee with Declaration
Address <u>1407 19TH ST.</u>	Name <u>N/A</u>
<u>VIENNA, WV 26105</u>	Address _____
Telephone <u>304-382-5933</u>	_____

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed 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 PETHTEL OIL & GAS  
 By: Denise P. Haught POA  
 Its: POWER OF ATTORNEY  
 Address 2317 BROAD ST  
PARKERSBURG, WV 26101  
 Telephone 304-488-6063

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 WV Department of  
 Environmental Protection

Subscribed and sworn before me this 20 day of March 2020

J. M. Lott  
Notary Public

My Commission Expires AUGUST 7, 2024

**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](mailto:depprivacyoffier@wv.gov).

JCB  
3/23/2020



WW-9  
(5/16)

API Number 47 - 073 - 01326  
Operator's Well No. P. Dutton #1

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

Operator Name PETHTEL OIL & GAS OP Code 308138  
Watershed (HUC 10) MIDDLE ISLAND CREEK Quadrangle RAVEN ROCK 7.5

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_)
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain VAC TRUCK WILL BE USED FOR FLUID USED DURING PLUGGING PROCEDURES & DISPOSED OF PROPERLY)

JCB  
3/23/2020

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

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

-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

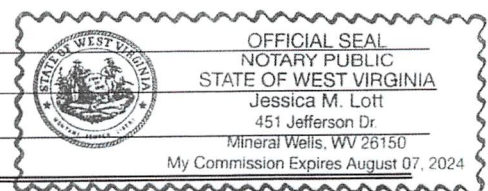
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Environmental Protection

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 Denise P. Haught POA  
Company Official (Typed Name) DENISE HAUGHT  
Company Official Title DESIGNATED AGENT, POWER OF ATTORNEY



Subscribed and sworn before me this 20 day of march, 2020

J. M. Lott Notary Public

My commission expires Aug. 7, 2024

Proposed Revegetation Treatment: Acres Disturbed 1 ACRE +/- Prevegetation pH \_\_\_\_\_

Lime 2 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 10-20-10

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>CONTRACTOR SEED</u>	<u>30</u>	<u>CONTRACTOR SEED</u>	<u>30</u>
_____	_____	_____	_____
_____	_____	_____	_____

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: J Cragin Blevins

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

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Office of Oil and Gas

MAR 25 2020

WV Department of  
Environmental Protection

Title: Oil and Gas Inspector Date: 3/23/2020

Field Reviewed? () Yes ( ) No



WW-7  
8-30-06



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

API: 47-073-01326 WELL NO.: #1

FARM NAME: P. DUTTON

RESPONSIBLE PARTY NAME: PETHTEL OIL & GAS

COUNTY: PLEASANTS DISTRICT: UNION

QUADRANGLE: RAVEN ROCK 7.5

SURFACE OWNER: JOHN & ROBERTA DUTTON

ROYALTY OWNER: N/A

UTM GPS NORTHING: 4361992

UTM GPS EASTING: 485504.4 GPS ELEVATION: 765

*JCB*  
3/23/2020

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:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:

Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

- 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.

Janise P. Haught  
Signature

POA  
Title

3/20/2020  
Date

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