



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, May 13, 2020
WELL WORK PLUGGING PERMIT
Vertical Plugging

PETHTEL OIL & GAS
2317 BROAD STREET

PARKERSBURG, WV 261012876

Re: Permit approval for 1
47-073-01328-00-00

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: LAMP, PHIL
U.S. WELL NUMBER: 47-073-01328-00-00
Vertical Plugging
Date Issued: 5/12/2020

Promoting a healthy environment.

P

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 MARCH 16, 2020
2) Operator's
Well No. LAMP #1
3) API Well No. 47-073 - 01328 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 765 Watershed MIDDLE ILSAND 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

LAMP #1
47-073-01328

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 1650'.
10. Run tubing to TD a set bottom plug with Class A cement with no more than 3% CaCl₂ and no other additives from TD to 1550'.
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.
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% CaCl₂ 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 elevation from ~~815-715~~' with Class A cement with no more than 3% CaCl₂ and no other additives. *900'-715' COVER 8 5/8" CASING SEAT. Jan*
20. Pull tubing back and wait for cement to set.
21. Run in and tag plug, add additional cement, if needed.
22. Pull tubing back to 100' and place a Class A cement with no more than 3% CaCl₂ 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.

JCB
3/23/2020

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MAR 25 2020

WV Department of
Environmental Protection

47-073-01328P



IV-35 (Rev 8-81)

Date 4/5/83
Operator S. C. ...
Well No. ...
Farm PHIL LAMP
API No 47-073-1328

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 765' Watershed MIDDLE ISLAND CREEK
District: UNION County PLEASANTS Quadrangle RAVEN ROCK 7.5

COMPANY BISON INC.
ADDRESS Rte 2, Box 83 St Marys WVA
DESIGNATED AGENT HAROLD E. WILSON
ADDRESS SAME
SURFACE OWNER PHIL & DEBRA LAMP
ADDRESS Rte 2 St Marys WVA
MINERAL RIGHTS OWNER PHIL & DEBRA LAMP
ADDRESS St Marys WVA
OIL AND GAS INSPECTOR THIS WORK ROBERT
Lowther ADDRESS Middlebourne WVA
PERMIT ISSUED OCT 8 81
DRILLING COMMENCED 11-18-81
DRILLING COMPLETED 12-1-81
IF APPLICABLE: PLUGGING OF DRY HOLE OR
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing Tubing Size 20-16 Cord.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
13-10"			
9 5/8			
8 5/8	850'	850'	175
7			
5 1/2	1650'	1650'	
4 1/2			
3			
2			
Liners used			

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APR 7 1983

OIL AND GAS DIVISION
DEPARTMENT OF MINES

GEOLOGICAL TARGET FORMATION DEVONIAN SHALE Depth 4850 feet RECEIVED
Office of Oil and Gas
Depth of completed well 1650 feet Rotary / Cable tools
Water strata depths: Fresh N/A feet; Salt N/A feet
Coal seam depths: N/A Is coal being mined in the area? MAR 25 2020

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 1650 feet
Gas: Initial open flow 25 Mcf/d Oil: Initial open flow 100 Bbl/d
Final open flow 25 Mcf/d Final open flow 10 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 4.50 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)

PLAS. 1328

WV Department of
Environmental Protection

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

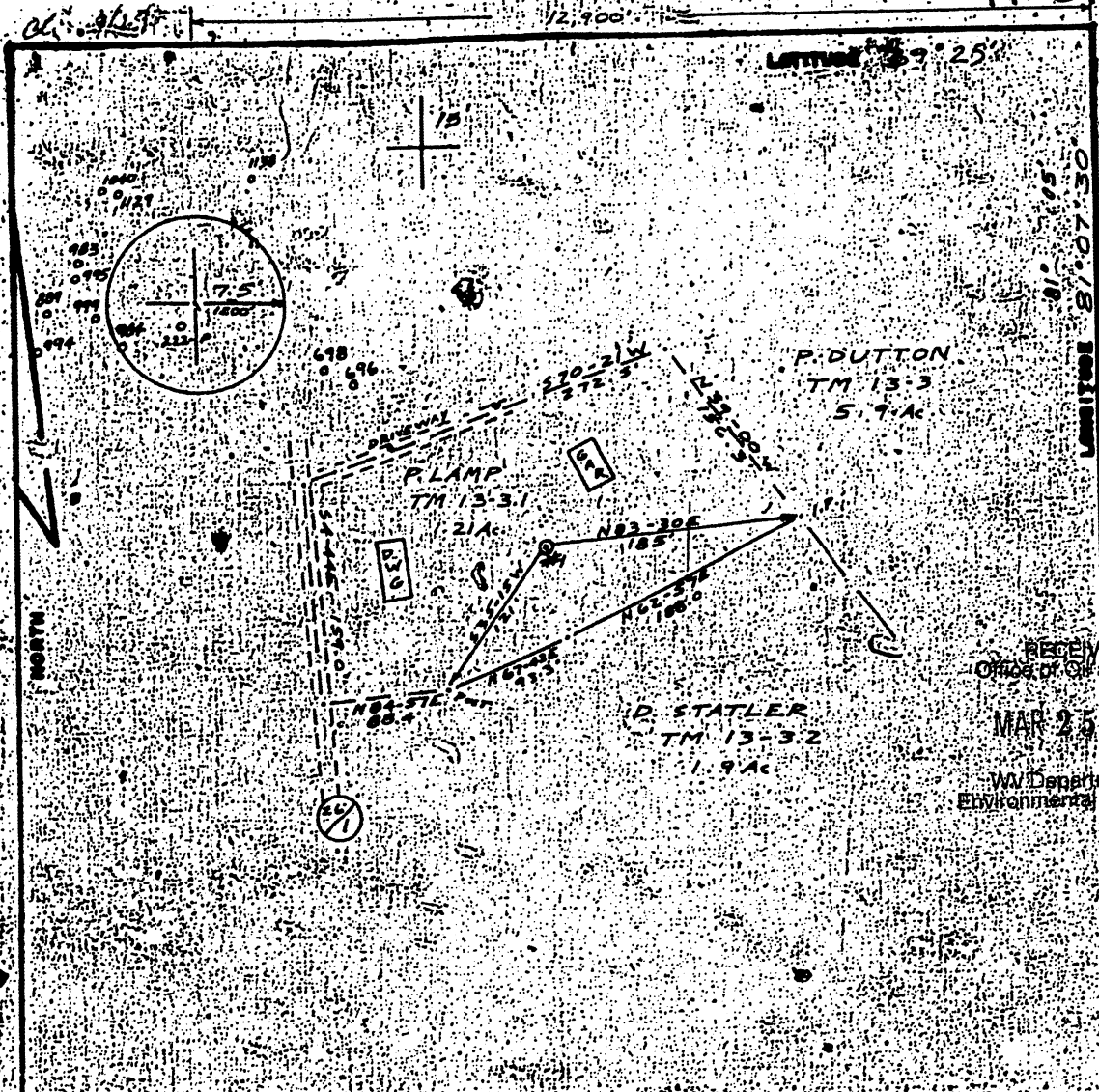
Blow out
NATURAL FLOW
2181-210-
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
1ST SALT			1058	1070	
2ND SALT			1170	1240	
3RD SALT			1260	1300	
MAXOM			1385	1415	
BIG LIME			1430	1485	
KEENER			1524	1555	
BIG INJUN			1605	1650	
DEVONIAN SHALE					

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MAR 25 2020
WV Department of Environmental Protection

(Attach separate sheets as necessary)
BISON INC
Well Operator
By: [Signature]
Date: 4/5/85

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



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FILE NO. B1-34
DRAWING NO. 1
SCALE 1"=100'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION SPOT 422

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 MINES.
(SIGNED) Neal Hughes
R.P.E. _____ L.L.S. 632



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-6
(8-79)



DATE SEPT 14 1979
OPERATOR'S WELL NO. P LAMP
API WELL NO. 47-073-1328
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 265 WATER SHEET M. CREEK
DISTRICT UNION COUNTY PLEASANTS
QUADRANGLE RAVEN ROCK 75
SURFACE OWNER PHIL M. LAMP ACREAGE 1.21
OIL & GAS ROYALTY OWNER PHIL M. LAMP LEASE ACREAGE 1.21
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION 201 1402 ESTIMATED DEPTH 1550
WELL OPERATOR BISON INC DESIGNATED AGENT HAROLD WILSON
ADDRESS RT 2 BOX 83 ADDRESS RT 2 BOX 83
ST. MARYS WV ST. MARYS WV

WW-4A
Revised 6-07

1) Date: MARCH 16, 2020
2) Operator's Well Number
PHIL LAMP #1

3) API Well No.: 47 - 073 - 01328

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>PHIL & DEBRA LAMP</u>	Name <u>N/A</u>
Address <u>44 HUMMINGBIRD LANE</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>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
 Its: POWER OF ATTORNEY
 Address 2317 BROAD ST
PARKERSBURG, WV 26101
 Telephone 304-488-6063

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MAR 25 2020

Subscribed and sworn before me this 20 day of March, 2020
Amlett Notary Public
 My Commission Expires AUGUST 7, 2024

WV Department of Environmental Protection

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.

JCB
3/23/2020

SURFACE OWNER WAIVER

Operator's Well
Number

LAMP #1

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

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,

_____	Date _____	Name _____	_____
Signature		By _____	_____
		Its _____	Date _____
		Signature _____	Date _____

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MAR 25 2020
WV Department of
Environmental Protection

47-073-013289

WW-9
(5/16)

API Number 47 - 073 - 01328
Operator's Well No. Lamp #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

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Additives to be used in drilling medium? N/A

MAR 25 2020

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

WV Department of Environmental Protection

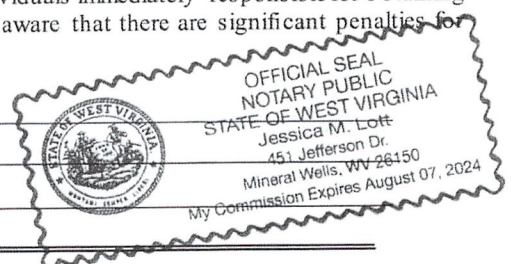
-Landfill or offsite name/permit number? N/A

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 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

Operator's Well No. Lamp # 1

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
<u>CONTRACTOR SEED</u>	<u>30</u>

Seed Type	lbs/acre
<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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MAR 25 2020

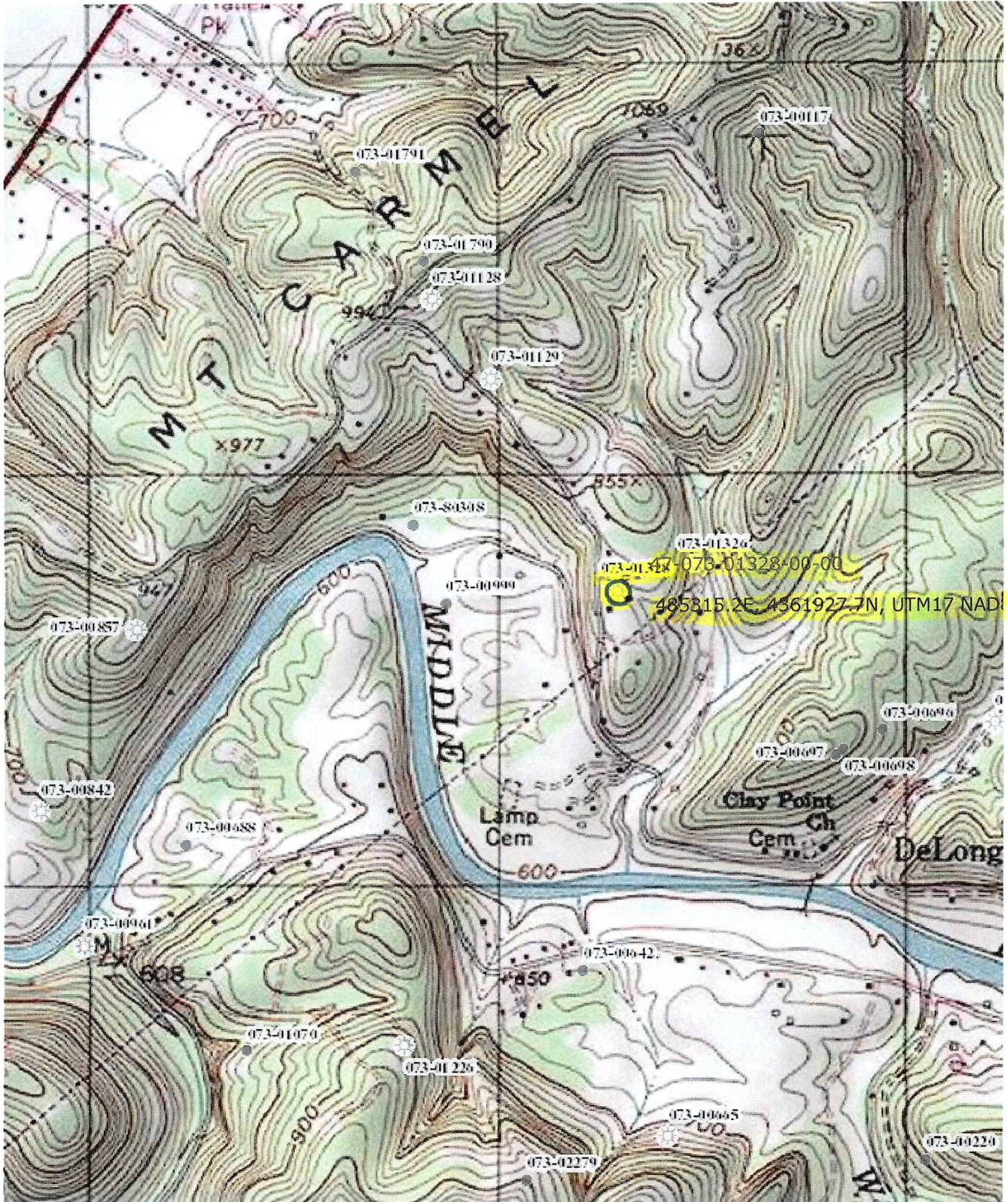
WV Department of
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Oil & Gas Inspector

Title: ~~DESIGNATED AGENT~~ POA

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: 47-073-01328 WELL NO.: #1

FARM NAME: LAMP

RESPONSIBLE PARTY NAME: PETHTEL OIL & GAS

COUNTY: PLEASANTS DISTRICT: UNION

QUADRANGLE: RAVEN ROCK 7.5

SURFACE OWNER: PHIL & DEBRA LAMP

ROYALTY OWNER: N/A

UTM GPS NORTHING: 4361927.7

UTM GPS EASTING: 485315.2 GPS ELEVATION: 765

JCB
8/23/2020

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:

- 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

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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.

Denise P. Shught
Signature

DESIGNATED AGENT, POA
Title

3/20/2020
Date