



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

Thursday, March 26, 2020
WELL WORK PERMIT
Vertical / New Drill

DALE, DAVID DBA DD OIL COMPANY
P. O. BOX 406

SPENCER, WV 252760406

Re: Permit approval for DRILCO 1V PAD 3
47-085-10402-00-00

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: DRILCO 1V PAD 3
Farm Name: SAMUEL & BARBARA KENNEY
U.S. WELL NUMBER: 47-085-10402-00-00
Vertical New Drill
Date Issued: 3/26/2020

Promoting a healthy environment.

PERMIT CONDITIONS

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

CONDITIONS

1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

WW - 2B
(Rev. 8/10)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: DD OIL CO DRILCO 2020 HD 1V RITCHIE UNION BURNTHOUSE
Operator ID County District Quadrangle

2) Operator's Well Number: DRILCO 2020 HD1V 3) Elevation: 1216

4) Well Type: (a) Oil or Gas
(b) If Gas: Production / Underground Storage _____
Deep _____ / Shallow

5) Proposed Target Formation(s): TULLY Proposed Target Depth: 6750

6) Proposed Total Depth: 6750 Feet Formation at Proposed Total Depth: TULLY

7) Approximate fresh water strata depths: 250 FT. IF ENCOUNTERED

8) Approximate salt water depths: 1500 FT. IF ENCOUNTERED

9) Approximate coal seam depths: NONE

10) Approximate void depths, (coal, Karst, other): NONE

11) Does land contain coal seams tributary to active mine? NO

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
BUILD WELL LOCATION AND DRILL THRU TO TULLY SHALE.

RUN LOGS FROM BASE OF SHALE TO EVALUATE THE STRATOGRAPHIC FOR POTENTIAL DEVELOPMENT.

AND, RESERVING THE RIGHT TO STIMULATE ANY FORMATIONS FROM THE TULLY AND ABOVE.

*Mac Lee Hall
3-18-20*

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13 3/8"	H40	42 LBS	20 FT	20 FT	CTS
Fresh Water	9 5/8"	H40	36 LBS	350 FT	350 FT	CTS
Coal	NONE					
Intermediate	7"	J55	20 LBS	1950 FT	1950 FT	CTS
Production	4 1/2"	N80	13.5 LBS	6750 FT	6750 FT	CTS
Tubing						
Liners						

Packers: Kind: NONE
Sizes: NONE
Depths Set NONE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: DD OIL CO DRILCO 2020 HD 1V RITCHIE UNION AUBURN
Operator ID County District Quadrangle

2) Operator's Well Number: DRILCO 2020 HD1V 3) Elevation: 1216

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(b) If Gas: Production / Underground Storage _____
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5) Proposed Target Formation(s): TULLY Proposed Target Depth: 6750

6) Proposed Total Depth: 6750 Feet Formation at Proposed Total Depth: TULLY

7) Approximate fresh water strata depths: 250 FT, IF ENCOUNTERED

8) Approximate salt water depths: 1500 FT, IF ENCOUNTERED

9) Approximate coal seam depths: NONE RECEIVED
Office of Oil and Gas

10) Approximate void depths,(coal, Karst, other): NONE MAR 04 2020

11) Does land contain coal seams tributary to active mine? NO WV Department of
Environmental Protection

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
BUILD WELL LOCATION AND DRILL THRU TO TULLY SHALE.
RUN LOGS FROM BASE OF SHALE TO EVALUATE THE STRATOGRAPHIC FOR POTENTIAL DEVELOPMENT.
AND, RESERVING THE RIGHT TO STIMULATE ANY FORMATIONS FROM THE TULLY AND ABOVE.

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Production	4 1/2"	N80	13.5 LBS	6750 FT	6750 FT	CTS
Tubing						
Liners						

Packers: Kind: NONE
Sizes: NONE
Depths Set NONE

*ck# 22809
Amt \$ 650
Date 3/3/20*

WW-2A
(Rev. 6-14)

1.) Date: 2/25/2020
2.) Operator's Well Number DRILCO 2020 HD1V
State County Permit
3.) API Well No.: 47- 085 -

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served: (a) Name SAMUEL/BARBARA KENSLE
Address 1471 TOWNSHIP ROAD 51E
RUSHYLVANIA OH 43347
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector MIKE GOFF
Address _____
Telephone 304-549-9823

5) (a) Coal Operator Name NONE
Address _____
(b) Coal Owner(s) with Declaration Name NONE
Address _____
(c) Coal Lessee with Declaration Name _____
Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Kimberly D. Butler
PO Box 414
Glennville, WV 26351

My Commission Expires Oct. 19, 2023

Well Operator DD OIL CO
By: _____
Its: OPERATOR
Address: _____
PO BOX 385, GRANTSVILLE, WV 26147
Telephone: 304-354-9516
Email: HUGH@DRILCOOILGAS.COM

Subscribed and sworn before me this 25 day of FEB, 2020

Kimberly D Butler

Notary Public

My Commission Expires 10.19.2023

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



DRILCO OIL AND GAS
—drilcooilgas.com—

BOX 385 GRANTSVILLE, WV 26147 304-354-9516

DrilcoOilGas.com

February 26, 2020

Samuel and Barbara Kensler
1471 Township Road 51 E
Rushsylvania, OH 43347
937-935-4786
937-935-9128

Hello Mr. and Mrs. Kensler,

This is Kim Butler, Hugh's assistant.
Hope this finds you well.

Hugh wanted you to know that we are now in the process of building the location, and permitting possibly 4 WELLS on the "PAD 2" location that has already been cleared off, down over the hill. If you have any questions, or concerns, please contact us ASAP.

As u are aware, we are required for by permitting regulations to give you official notice via verifiable mail. I have also included copies of the plats involved.

Attached are copies of the plats that show the location and well placement.

Also, I have included 2 ORIGINAL COPIES of the signed SURFACE OWNER WAIVER that is part of the permitting process. Please sign BOTH and return one to me, in the attached envelope, as quickly as possible.

If you have any questions, please contact me at 304-354-9516, or Hugh at 304-550-0978, or hugh@drilcooilgas.com.

Hugh D. Dale, Jr., President
Drilco Oil & Gas Corporation

**WW-2A Surface Waiver
(4/16)****SURFACE OWNER WAIVER**County 085

Operator

DD OIL CO

Operator well number

DRILCO 2020 HD1V**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A**

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (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 **FIFTEEN (15) 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.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

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 Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

FOR EXECUTION BY A CORPORATION, ETC.

Signature

Date _____

Company
Name
By
Its

DD OIL COHUGH D DALE OPERATOR02/25/20
Date

Print Name


Signature

Date

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County RITCHIE
Operator DD OIL CO Operator's Well Number DRILCO 2020 HD1V

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

No Coal

WAIVER

The undersigned coal operator ____ / owner ____ / lessee ____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature Date

Company Name DD OIL CO
By HUGH D DALE OPERATOR Date 02/25/2020
Its _____
[Signature] _____
Signature Date

WW-2A1
(Rev. 1/11)

Operator's Well Number DRILCO 2020 HD1V

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
DRILCO OIL & GAS CORP (Hardman Drilling purchased by DRILCO OIL & GAS CORP) March 1995 Ritchie County	DD OIL CO PO BOX 406 SPENCER, WV 25276 (SEE ATTACHED FARM OUT ASSIGNMENT)	1/8	BOOK 122 PAGE 50

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

DD OIL CO

HUGH D DALE

OPERATOR

FARM OUT ASSIGNMENT AND ASSOCIATED OIL AND GAS INTERESTS

4708510402

State of West Virginia

County of RITCHIE

Record and Return to:

DRILCO OIL & GAS, INC
P.O. Box 385,
Grantsville, West Virginia, 26147

KNOW ALL MEN BY THESE PRESENTS THAT, the undersigned, **DRILCO OIL & GAS INCORPORATED** a West Virginia corporation, whose chief executive offices are located at 2021 Calhoun Hwy, Grantsville, West Virginia 26147, hereinafter referred to as "**Assignor**", for and in consideration of Ten Dollars (\$10.00) in hand paid and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby grant, convey, sell, assign, transfer and set over unto Drilco 2018 1H Drilling Program LLC, a West Virginia limited liability corporation, with its offices located at 2021 Calhoun Hwy, Grantsville, West Virginia 26147, ("**Assignee**"), the Property as defined below, as the Property covers and pertains directly to the WELLBORE, AS DEFINED BELOW, AND LAID OUT IN **DRILCO OIL & GAS INCORPORATED**, ONLY OF THE [INSERT WELL NAME] HARDMAN DRILLING (PURCHASED BY DRILCO OIL & GAS) Well, (the "**Well**") from a surface locatn on [INSERT SURFACE LOCATION] DRILCO OIL & GAS leased to Assignor by [INSERT MINERAL NAME] HARDMAN DRILLING (PURCHASED BY DRILCO OIL & GAS) under the lease(s) described below (collectively, the "**Lease(s)**"), and all production of oil, gas, and other minerals from the Wellbore, penetrated by the drill bit for this program, EXCEPTING AND RESERVING unto Assignor all of Assignor's right, title, and interest in the property otherwise relating to or in any manner pertaining to the lands which are the subject of the oil and gas Leases.

The term "**Property**" means all rights, title, and oil and gas leaseholds and interests in and to: (a) the wellbore of the well from the surface to its actual depth, *provided that*, such total depth shall not be deeper than 6,000 feet from the surface (the "**Wellbore**"); and (b) the exclusive right to penetrate into the subsurface with the wellbore in search of oil, natural gas, and other petroleum hydrocarbons; (c) all of the oil, gas, and/or minerals produced from the well so long as its total depth is no deeper than 6,000 feet from the surface including with limitation presently existing oil, and casinghead gas, natural gas and /or other hydrocarbons in the wellbore; TO HAVE AND TO HOLD the same unto the same terms and provisions contained in said leases, contracts and assignments relating thereto and to all laws, rules, and regulations of all governmental bodies and agencies having jurisdiction thereof, all of which Assignees herby assume insofar as same are applicable to the interest herby assigned, The term "**Leases(s)**" means DRILCO OIL & GAS CORP/ADA HALL LEASE.

This Assignment is being entered into and pursuant to and is subject to the terms, conditions, and reservations set forth in that certain **DRILCO OIL & GAS INCORPORATED** by and between Assignor and Assignee dated as of [INSERT AGREEMENT DATE] MARCH 1995. This Assignment is made without warranty of title. The provisions hereof shall be construed as covenants running with the respective Leases and rights assigned hereunder, and shall be binding upon the respective successors and assigns of Assignor and Assignee.

ASSIGNOR: **DRILCO OIL & GAS, INC**
Federal ID #: 83-2371247

Physical Address: 2021 Calhoun Hwy, Grantsville WV 26147

By: Hugh D. Dale
Hugh D. Dale, Managing Partner

ASSIGNEE:

Address:

DD OIL COMPANY
PO BOX 406
SPENCER, WV 25276

NOTARY ACKNOWLEDGEMENT

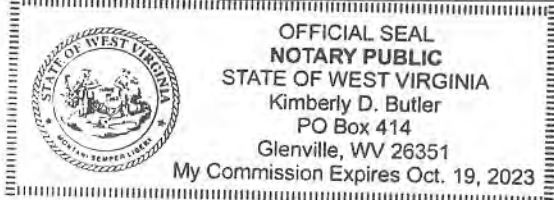
State of WV, COUNTY OF Calhoun

The foregoing instrument was acknowledged before me on 05-15-19 (date)

by Kimberly D Butler (name Notary Public)

Printed name Kimberly D Butler

My commission expires 10-19-23



Federal ID/SSN : 55-0765849

By: DAVID DALE

Name (please print) _____

WW-2B1
(5-12)

Well No. DRILCO 2020 HD1V

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name NO WATER SOURCES WITHIN 2,000 FT.
Sampling Contractor _____



Well Operator DD OIL CO
Address PO BOX 385
GRANTSVILLE, WV 26147
Telephone 304-354-9516

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

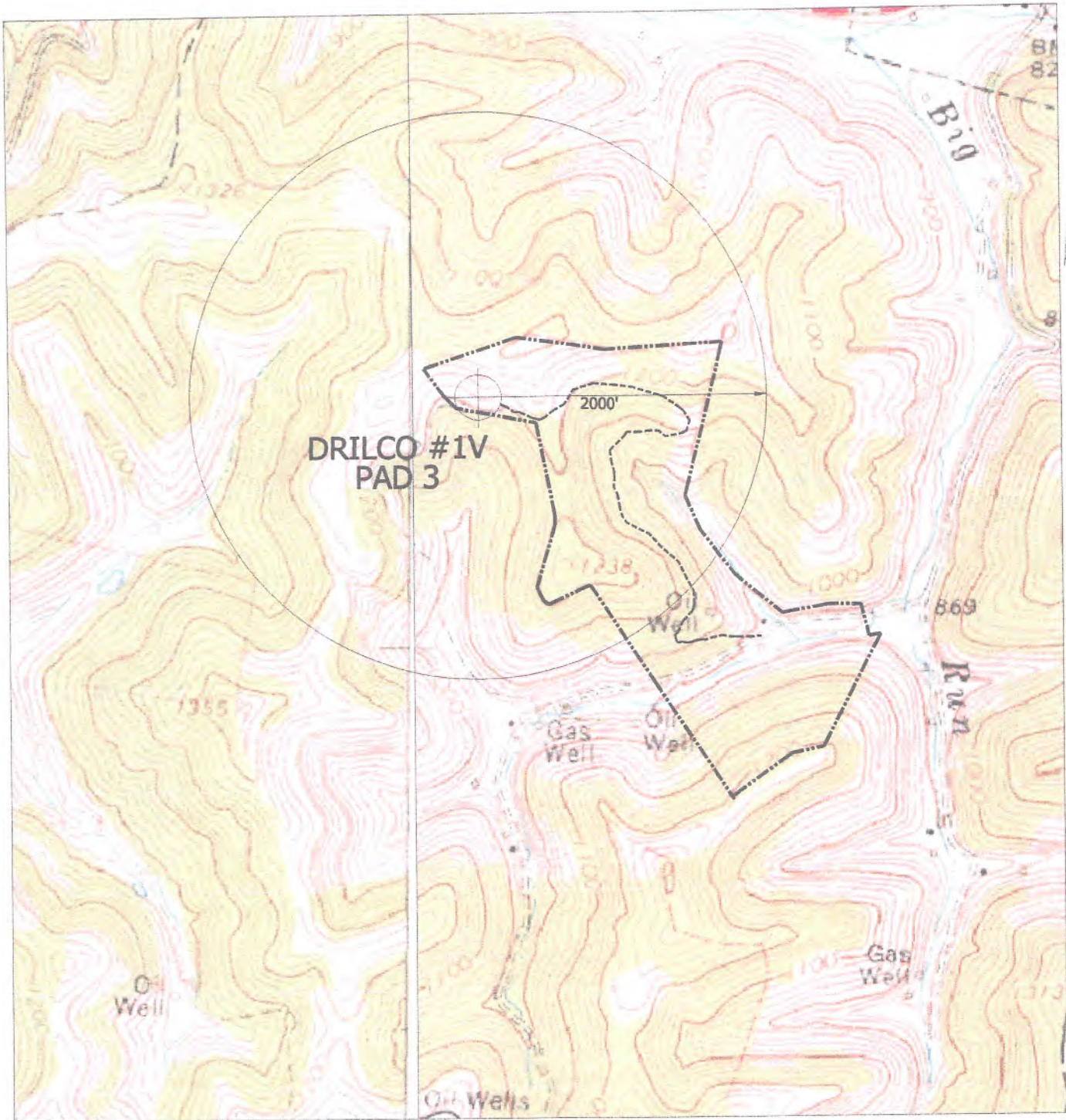
HUPP Surveying & Mapping
P.O. BOX 647
GRANTSVILLE, WV 26147
(304) 354-7035 hupp@frontiernet.net FAX: (304) 354-6548

December 16, 2019

RE: Water Samples for DRILCO #1V PAD 3

There appears to be no potable water sources within 2,000' of DRILCO #1V PAD 3,
therefore no test need to be taken.

D D OIL COMPANY DRILCO #1V PAD 3 WATER



HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147
PH: (304)354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'
AUBURN Quad

D D OIL COMPANY
P.O. BOX 382
GRANTSVILLE, WV 26147

WW-9
(5/16)

API Number 47 - 085 -
Operator's Well No. DRILCO 2020 HD 1V

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

Operator Name DD OIL CO OP Code _____

Watershed (HUC 10) BIG RUN Quadrangle BURNTHOUSE

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: FRESH WATER AND DRILL CUTTINGS

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: _____

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

-If oil based, what type? Synthetic, petroleum, etc. NONE

Additives to be used in drilling medium? NONE

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. LEAVE IN PIT

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) LIME AND SAWDUST, OR CEMENT

-Landfill or offsite name/permit number? NONE

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.

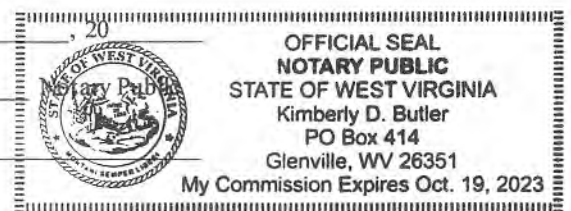
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 [Signature]
Company Official (Typed Name) HUGH D DALE
Company Official Title MANAGING MEMBER

Subscribed and sworn before me this 26 day of Feb 2020

Kimberly D Butler

My commission expires 10.19.23



Proposed Revegetation Treatment: Acres Disturbed LESS THAN 1 ACRE Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

CONTRACTOR'S MIX 40LB

CONTRACTOR'S MIX 40LB

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: Michael Giff

Comments: Preseed & mulch any disturbed areas per WVAEP
regs E-n-s controls need to be placed / upgraded
as necessary

Title: Oil & Gas Inspector

Date: 3-18-20

Field Reviewed? Yes No

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

Operator Name: DD OIL CO DRILCO 2020 HD 1V
 Watershed (HUC 10): BIG RUN Quad: BURNTHOUSE
 Farm Name: SAM AND BARBARA KENSLER

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

Cuttings will be discharged into 20 mil lined pit(s). Dust suppression will be used and re-used during the drilling process. Solids generated from well will be dried and solidified, then back-filled on site. Site will be reclaimed to WVDEP regulations.

Pits constructed with inadequate volume, or improper pit liner installation could contaminate the groundwater.

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

Pit(s) lined with 20 mil plastic, dikes constructed to contain effluent from drilling process.

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

Big Run is the closest body of water approximately 2,000 foot from well site.

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

All pit(s) will have 20 mil liner and constructed with adequate volume to contain cuttings and other effluent generated from drilling process. Water tanks will be placed on site to hold excess fresh water/salt water generated by well.

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

No groundwater issues known.
Closest water well is over 2,000 ft away.

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

No waste material will be used for fill material on the 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.

Drilling contractor is directed to only use pit(s) as necessary.

Before any discharge, all fluids in pit will be tested prior to land application (pit treating company). Fluids may be hauled to oil well.

Solids will be left in pit and buried on site.

While discharging treated pit water, precautions will be taken to keep flow at a low velocity, to keep from pooling.

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

Inspections will occur daily during drilling process, and on weekly basis until pit closure.

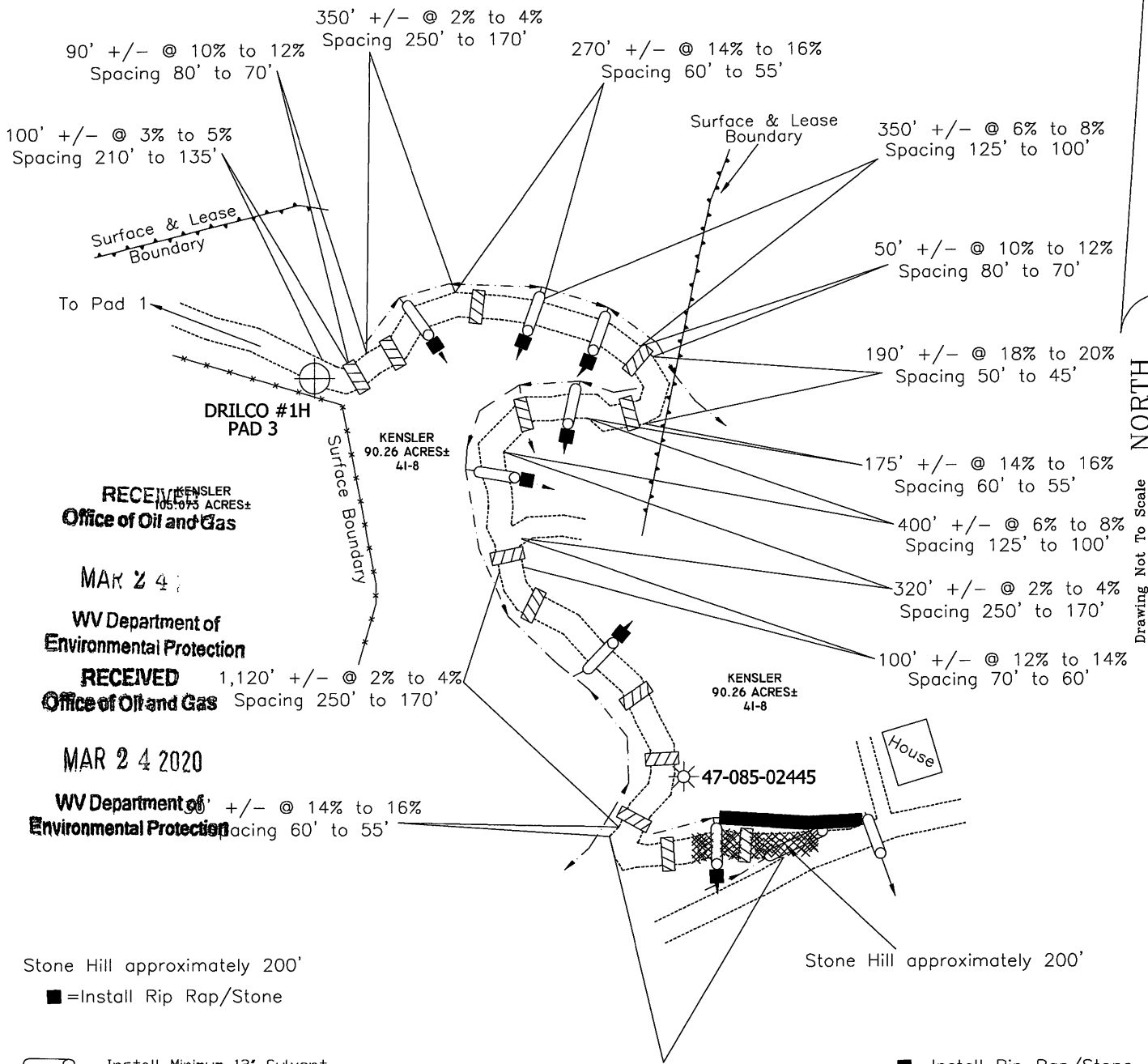
Signature: Kimberly D. B. [Signature]

Date: 3/1/2020

DD OIL COMPANY DRILCO #01V, PAD 3

Form W-9

Page 1 of 2



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WV Department of
Environmental Protection

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MAR 24 2020
WV Department of
Environmental Protection

Stone Hill approximately 200'
■ = Install Rip Rap/Stone

○ = Install Minimum 12' Culvert

ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH D.E.P. OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.E.P.

SEDIMENT BASINS, TRAPS AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS ROCK OUTCROPS AND BEDROCK MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST, ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFYING TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

CONTRACTORS/COMPANY ARE RESPONSIBLE FOR LOCATING UTILITIES WHETHER SHOWN ON THIS PLAN OR NOT.

TEMPORARILY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT AND STACK ALL TIMBER ABOVE 6-INCHES IN DIAMETER AND THICKER.

STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

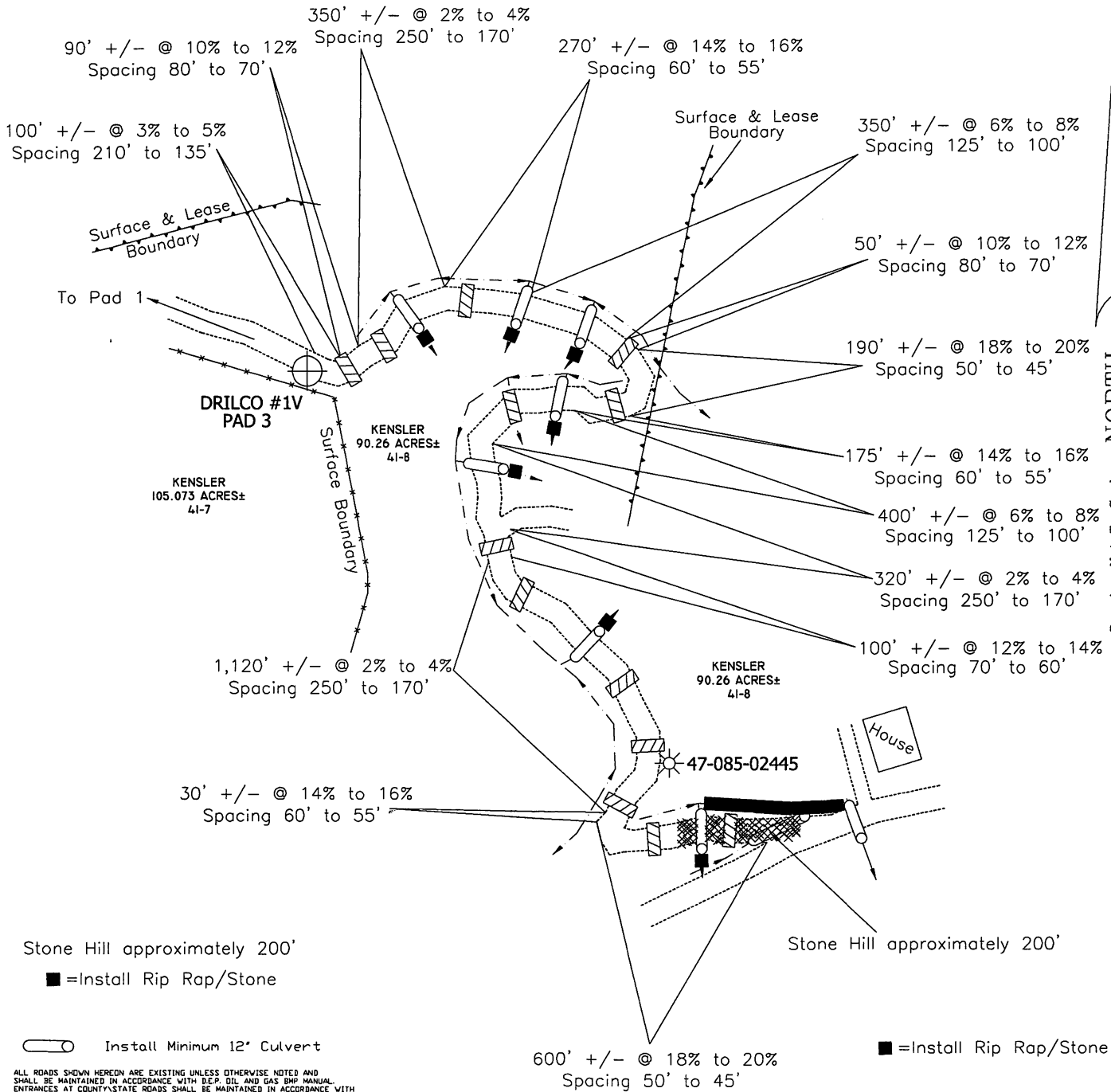
Road Is Existing Access.
Upgrade Drainage Devices Where Needed.

3-20-2020

Douglas Newlon

HUPP Surveying & Mapping P.O. BOX 647 GRANTSVILLE, WV 26147 PH: (304)354-7035 E-MAIL: hupp@frontiernet.net	Drafted BY:	Date Drafted:	Job Number:
	DB	03/19/20	W20182606

D D OIL COMPANY DRILCO #1V PAD 3



Drawing Not To Scale NORTH

ALL ROADS SHOWN HEREIN ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH D.E.P. OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. SEPARATE PERMITS MAY BE REQUIRED BY THE D.E.P.

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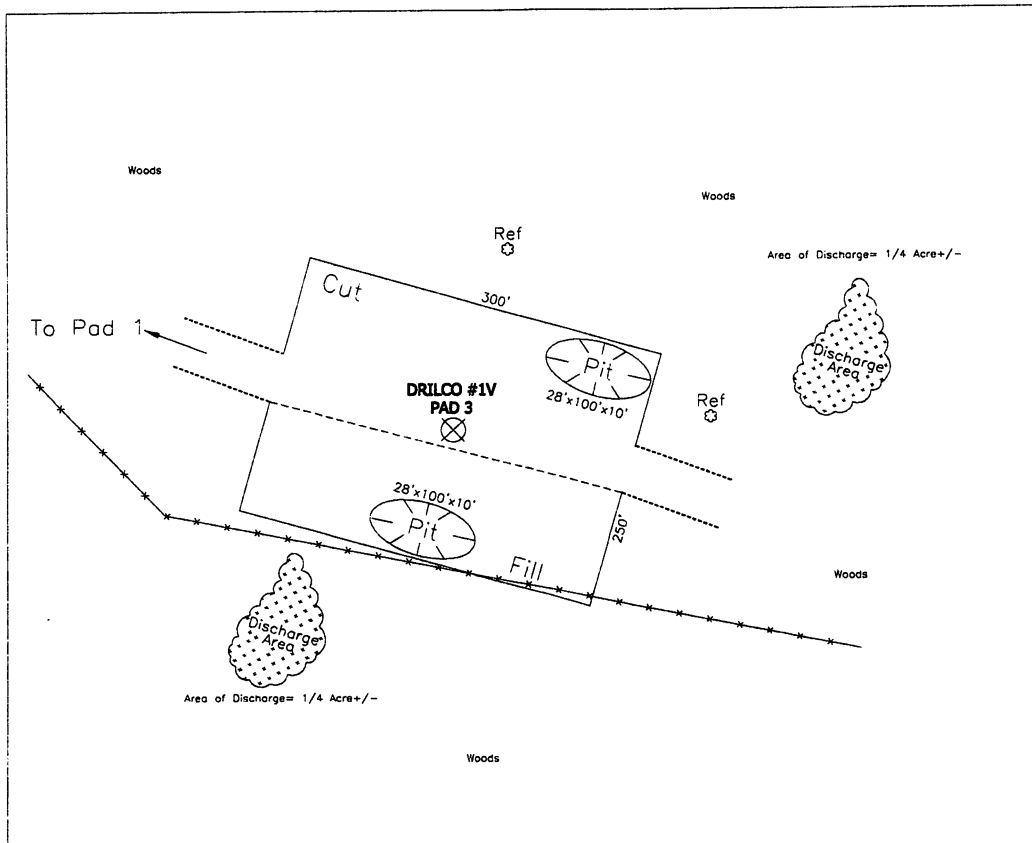
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HUPP Surveying & Mapping P.O. BOX 647 GRANTSVILLE, WV 26147 PH:(304)354-7035 E-MAIL: hupp@frontiernet.net	Drafted BY:	Date Drafted:	Job Number:
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D D OIL COMPANY DRILCO #1V PAD 3

Form W-9

Page 2 of 2



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MAR 4 2020

**WV Department of
Environmental Protection**

○ — Install Minimum 12" Culvert

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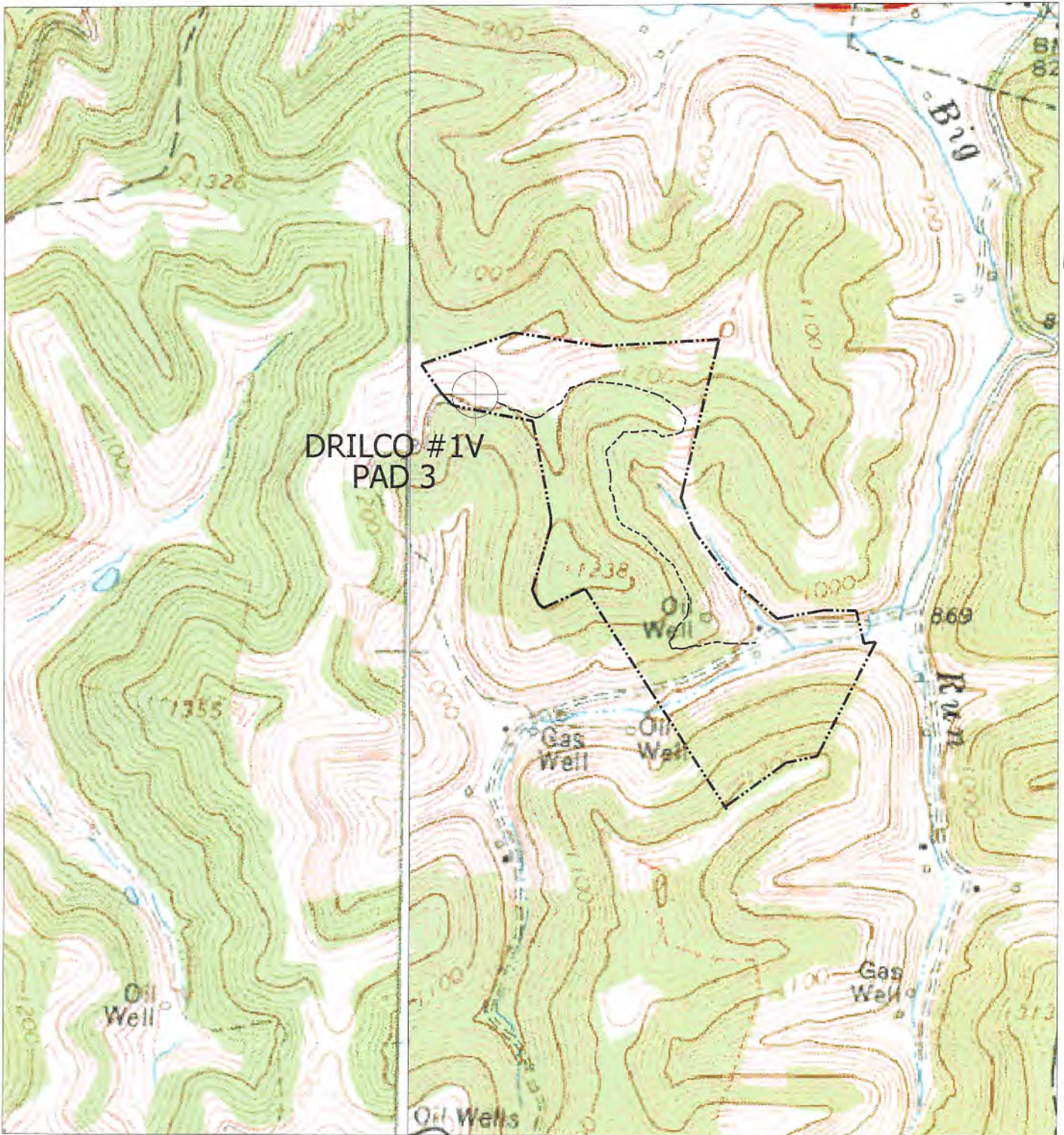
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STACK BRUSH BELOW LOCATION FOR SEDIMENT CONTROL.

HUPP Surveying & Mapping	Drafted BY:	Date Drafted:	Job Number:
P.O. BOX 647 GRANTSVILLE, WV 26147 PH: (304)354-7035 E-MAIL: hupp@frontiernet.net	DB	12/16/19	W20182606

D D OIL COMPANY DRILCO #1V PAD 3



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 P.O. BOX 647 GRANTSVILLE, WV 26147
 PH:(304)354-7035 E-MAIL: hupp@frontiernet.net

1" = 1000'
 AUBURN Quad

D D OIL COMPANY
 P.O. BOX 382
 GRANTSVILLE, WV 26147

DRILCO #1V PAD 3

LONGITUDE 80°50'00"

13,380'

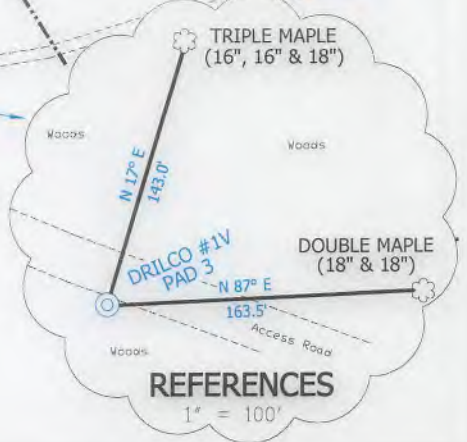
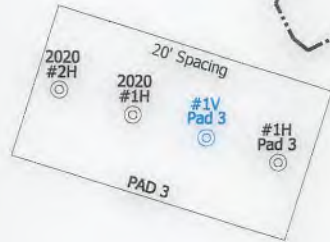
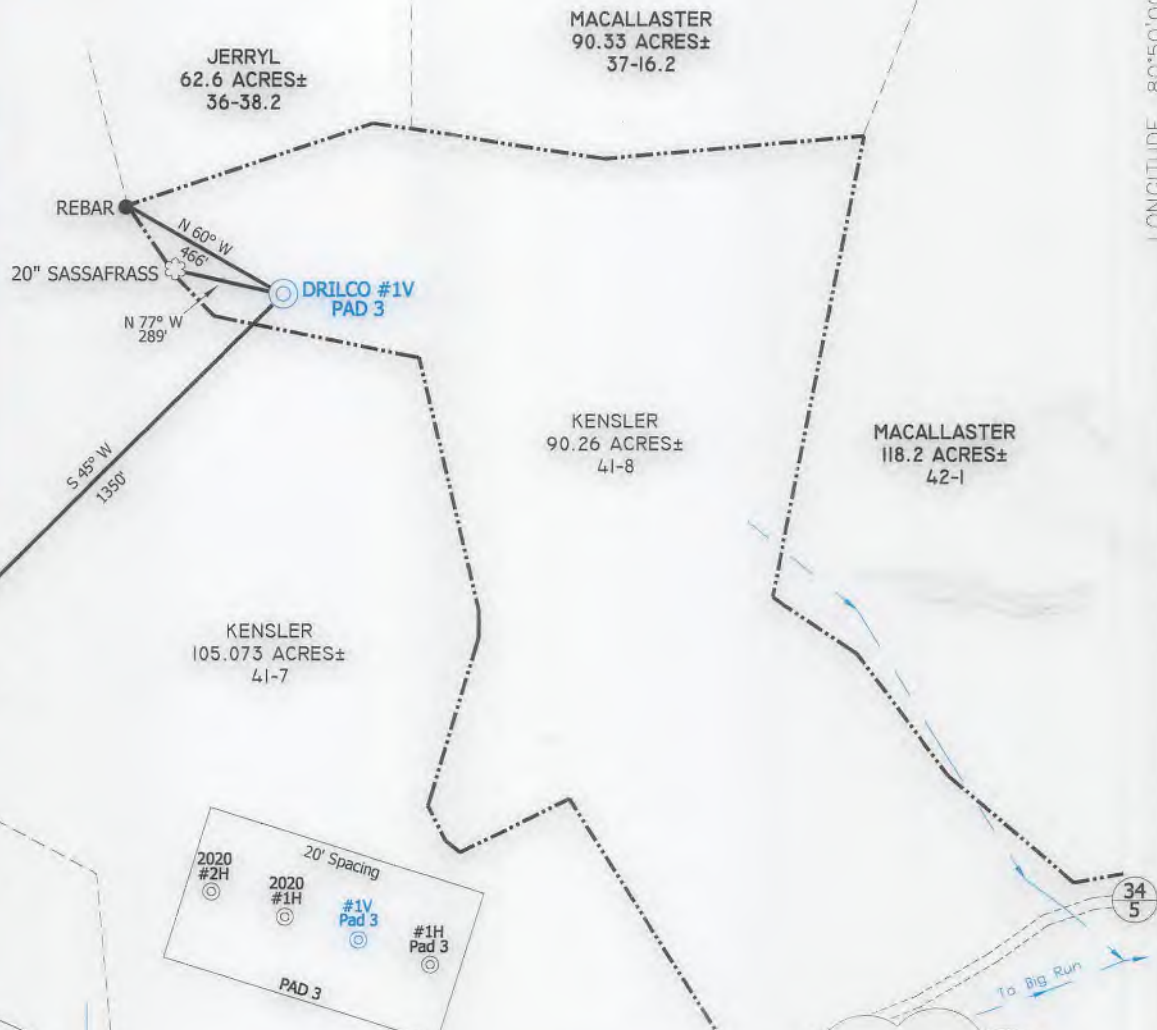
LAT. 39°05'17.3"

DRILCO #1V PAD 3

STATE PLANE COORDINATES (NORTH ZONE-NAD 27)
(N) 217196
(E) 1610243

L & L DECIMAL (NAD 27)
39.08815
80.87313

UTM (NAD 83)
4326576
510987



NOTES ON SURVEY

1. NO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
4. WELL LAT./LONG. ESTABLISHED BY DGPS(SUB-METER GRADE).
5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JUNE, 2019 AND INFORMATION PROVIDED BY D D OIL COMPANY.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

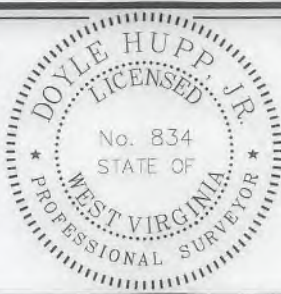
REFERENCES

1" = 100'

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 834
[Signature]


HUPP Surveying & Mapping
P.O. Box 647 Grantsville, WV 26147
(304) 354-7035 EMAIL: hupp@frontiernet.net



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 2, 2019
OPERATORS WELL NO. DRILCO #1V PAD 3
API WELL NO. 47-085-10402
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2606 (BK91-13)
PROVEN SOURCE OF ELEVATION DGPS (SUB-METER) SCALE 1" = 500'

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



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

LOCATION :
ELEVATION 1,216' WATERSHED TRIBUTARY OF BIG RUN
DISTRICT UNION COUNTY RITCHIE QUADRANGLE AUBURN 7.5'

SURFACE OWNER SAMUEL & BARBARA KENSLER ACREAGE 90.26±
ROYALTY OWNER J.A. HALL HEIRS, et al LEASE ACREAGE 90.26±
PROPOSED WORK : LEASE NO. _____
DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION TULLY
ESTIMATED DEPTH 6,750'

WELL OPERATOR D D OIL COMPANY DESIGNATED AGENT HUGH DALE
ADDRESS P.O. BOX 385 GRANTSVILLE, WV 26147 ADDRESS P.O. BOX 385 GRANTSVILLE, WV 26147

COUNTY NAME

PERMIT