



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, October 15, 2018
WELL WORK PERMIT
Vertical / New Drill

KEYROCK ENERGY LLC
PO BOX 2223

JOHNSON CITY, TN 37605

Re: Permit approval for KENNER 11
47-011-01004-00-00

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

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned to the right of the printed name and title.

Operator's Well Number: KENNER 11
Farm Name: KENNER Y. MARKINS
U.S. WELL NUMBER: 47-011-01004-00-00
Vertical New Drill
Date Issued: 10/15/2018



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

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

October 15, 2018

Mr. Kenner Markins
4156 Cavill Creek Road
Barboursville, WV 25504

Re: Operator Response to Surface Owner Comments for API permit No. 47-011-01004.

Dear Mr. Markins:

The Office of Oil and Gas (OOG) has completed its review of the above-referenced permit application submitted by Keyrock Energy LLC. Our staff examined the permit to ensure compliance with all applicable requirements. Also, your comments were sent to the applicant to allow them to respond to your concerns. The applicant's response is enclosed for your records.

After considering your comments, the applicant's response, along with the state inspector's input, the OOG has determined that the application meets the requirements set forth in Article 6, Chapter 22 of the West Virginia Code and Legislative Rule Title 35 Series 4. Consequently, the OOG is issuing the permit today. For your information and convenience, I am including with this letter a copy of the permit as issued and the operator's response to your comments.

Please contact Jeff McLaughlin at (304) 926-0499, extension 1614 if you have questions.

Sincerely,

Jeffrey W. McLaughlin
WV DEP, Office of Oil & Gas
Technical Analyst
B. S. Of Petroleum Engineering

Enclosures: Comment letter, Operator Response, Permit No. 47-011-01004

July 30, 2018

State of West Virginia
Dept. of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

REF: Well Operator: Keyrock Energy LLC
Operator ID: 494507629
County: Cabell
District: Grant
Quadrangle: Milton 7.5'
Operator's Well Number: Kenner No. 11

To Whom It May Concern:

I am writing to protest the location as determined by Keyrock Energy LLC on the above named well. It is my belief that this location would be inappropriate because it is up against another landowners property and could do damage to his land because of erosion and sediment. This could also do harm to his livestock. The site is too narrow and is obstructed by very large rock which would have to be dumped on my property.

My suggestion is that they move the well and pit site to a lower location just below the proposed site. This site is larger, level, and easier to access. It would be a more safe work area, have less soil erosion, and sediment control would be better maintained.

Your consideration into this matter would be greatly appreciated.

Kenner Markins
4156 Cavill Creek Road
Barboursville, WV 25504

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JUL 30 2018

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KEYROCK ENERGY LLC

October 1st, 2018

Jeff McLaughlin
Office of Oil and Gas
WV Dept of Environmental Protection

Operators Comments re Kenner Markin Comments, July 30th, 2018.

Mr. McLaughlin,

Keyrock Energy received notice from WV DEP regarding drilling and operating concerns expressed by Mr. Kenner Markins. In address to his concerns, please consider the following:

- 1.) Kenner #11 wellsite is a full 60' from the nearest property line, and is on the downslope side, which presents very minimal opportunity for erosion on offset neighbors. Though our permitted site is large, we do not need a site any larger than 100' x 125' and are drilling with an RD-20 rig. There is no possibility that our operations will cross on to the adjacent land owner's property.
- 2.) Keyrock Energy will take every measure possible to prevent damage to Mr. Markins livestock, as well as any other person's livestock. We will fence the site while drilling, maintain fencing through flowback operations, maintain a sturdy gate at the access entrance onto the property, and fence the pumpjack and all other associated equipment on site.
- 3.) If Mr. Markin does not want any dirt, timber, rock, or other spoils from building the well site we will remove them permanently from the surface location.

We believe if this site were moved any further downslope construction activities would have the potential to initiate slippage and rock falls. We prefer to operate on as level and as hard as ground as possible to minimize erosion and slippage.

Morgan Pate
Geologist
423-276-1116
P.O. Box 2223
207 E. Main Street, Suite 2-D
Johnson City, TN 37605

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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.

**ACCESS ROAD OWNERS
FOR
KEYROCK ENERGY, LLC
WELL KENNER 11**

SURFACE OWNERS OF ACCESS ROAD FOR PROPOSED WELL SITE:

**Kenner Y. Markins
P. O. Box 13
Barboursville, WV 25504**

**Buddy L. & Alexander D. Childers
824 Birch Hollow Rd.
Barboursville, WV 25504**

**7/13/2018
TRUE LINE SURVEYING, INC.**

**RECEIVED
Office of Oil and Gas
SEP 05 2018
WV Department of
Environmental Protection**

47-011-01004

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.
BARBOURSVILLE, WV 25504

7016 3010 0000 3436 3436 9T02

Certified Mail Fee	\$3.45	0791
\$		21
Extra Services & Fees (check box, add fee as applicable)	\$0.00	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	
<input type="checkbox"/> Return Receipt (electronic)	\$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00	
<input type="checkbox"/> Adult Signature Required	\$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00	
Postage	\$2.05	
\$		
Total Postage and Fees	\$5.50	
\$		

Postmark
(Date)
JUL 16 2018
07/16/2018
US!

Sent To Kenner Markins
Street and Apt. No., or PO Box No. 4156 Convik Creek Rd
City, State, ZIP+4® Barboursville WV 25504

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County Cabell Operator Keyrock Energy
Operator well number Kenner No. 11

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.

Buddy Chilton
Signature
Buddy Chilton
Print Name

Date 10/12/18 Company Name n/a
By _____
Its _____ Date _____

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Office of Oil and Gas**

Signature _____ Date _____

OCT 15 2018

**WV Department of
Environmental Protection**

WW-2A1
(Rev. 1/11)

Operator's Well Number Kenner No. 11

**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
Kenner Y. Markins	Keyrock Energy LLC	1/16	391/267
Buddy L. and Alexander D. Childers	Keyrock Energy LLC	1/16	391/324
Reference Declaration and Notice of Pooled Unit:	Keyrock Energy LLC	50/50 split of 1/8th royalty	113/24

**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

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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:

Morgan Pate

Keyrock Energy LLC

Geologist

WW-2B1
(5-12)

Well No. Kenner No. 11

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 Pace Analytical
Sampling Contractor True Line Surveying

Well Operator Keyrock Energy
Address PO BOX 2223
Johnson City, TN 37605
Telephone 423-726-2070

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.

SRE ATTACHED

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Office of Oil and Gas

JUL 20 2018

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Environmental Protection

WATER NOTICE
FOR
KEYROCK ENERGY, LLC
WELL KENNER 11

WATER SOURCES IDENTIFIED WITHIN 1,000' OF PROPOSED WELL SITE:

Kenner Y. Markins
P. O. Box 13
Barboursville, WV 25504

7/13/2018
TRUE LINE SURVEYING, INC.

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47-011-01004

WW-9
(5/16)

API Number 47 - Cabell -
Operator's Well No. Kenner No. 11

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

Operator Name Keyrock Energy LLC OP Code 494507629

Watershed (HUC 10) _____ Quadrangle Milton WV 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: Drill water and cement 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: No

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

-If oil based, what type? Synthetic, petroleum, etc. n/a

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Additives to be used in drilling medium? Soap if needed.

SEP 05 2018

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

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-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Morgan Pate*

Company Official (Typed Name) Morgan Pate

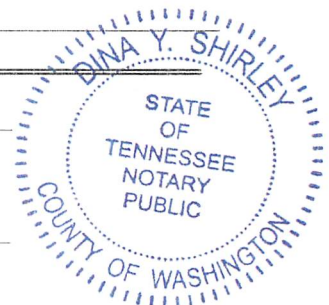
Company Official Title Geologist

Subscribed and sworn before me this 18th day of July, 2018

Dina Y Shirley

Notary Public

My commission expires 7-9-2019



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

Operator Name: Keyrock Energy LLC

Watershed (HUC 10): _____ Quad: Milton 7.5'

Farm Name: Kenner Y. Markins

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

Pit water will be tested, then aerated with lime being added to bring the ph to 7.0 plus. In the event of excessive chlorides, pit fluids will be diluted with either fresh water or, where that is not possible, pit fluids will be hauled to an approved disposal facility. Pit water will sit a minimum of ten days to let solids drop out.

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

Once the drilling pit fluids are at acceptable levels for discharge, then the pump intake line will be floated approximately 12" below the water level and the discharge line will be set up.

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

See letter from surveyors.

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SEP 05 2018

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

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Environmental Protection

n/a

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

No known groundwater quality data. Samples have been offered for non-public water sources within 1,000' of the proposed well.

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 deicing of 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.

All employees will be familiar with the contents of the groundwater protection plan and how to implement it. Work practices will support the protection of groundwater from contamination per company HSE Policy.

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

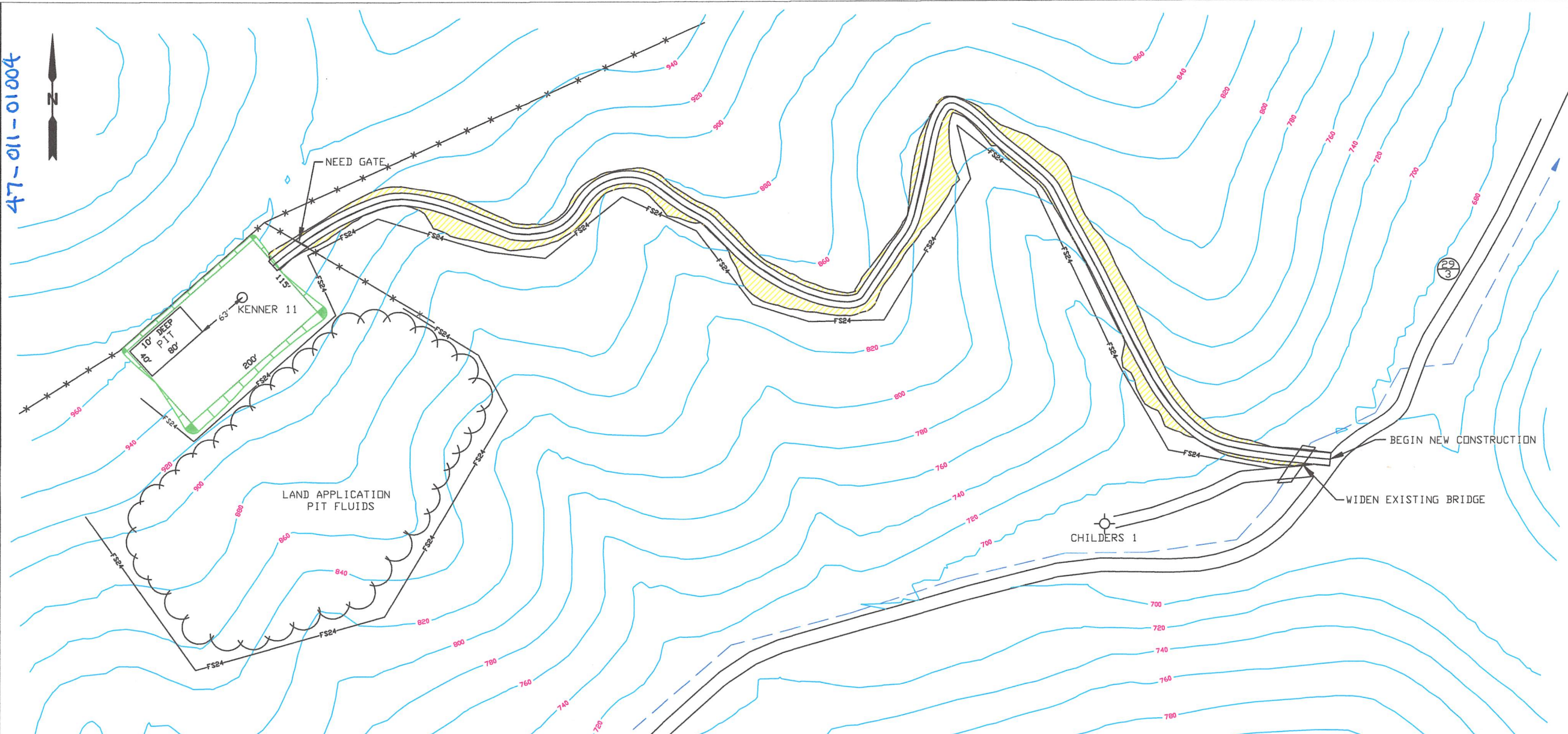
All GPP elements and equipment present will be inspected daily prior to use and in the event of any problem. Work will not commence until any problems are remediated and documented.

Signature: 

Date: 7/18/2018

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47-011-01004

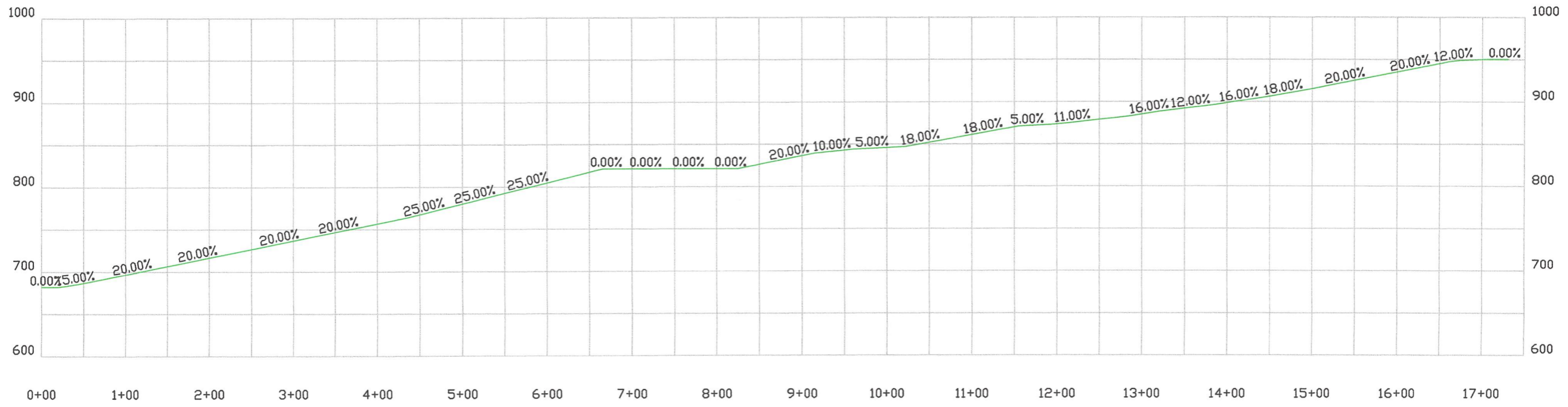


DISTURBED AREAS	
WELL PAD CONSTRUCTION	0.62 AC
NEW ACCESS ROAD CONSTRUCTION	1.17 AC
ADDITIONAL CLEARING	
TOTAL DISTURBED AREA	1.89 AC

LEGEND	
	STREAM
	PROPERTY LINE
	SLOPE AREA
	WETLAND
	BUFFER AREA

SITE PLAN	
KEYROCK ENERGY, LLC PROPOSED WELL # KENNER 11 GRANT DISTRICT, CABELL COUNTY MILTON QUAD, WV 7.5'	
JULY 13, 2018	
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705	
PAGE 1 OF 1	

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ROAD PROFILE
HARD ROCK EXPLORATION PROPOSED WELL # KENNER 11 GRANT DISTRICT, CABELL COUNTY MILTON QUAD, WV 7.5'
JULY 10, 2018
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705
PAGE <u>1</u> OF <u>1</u>

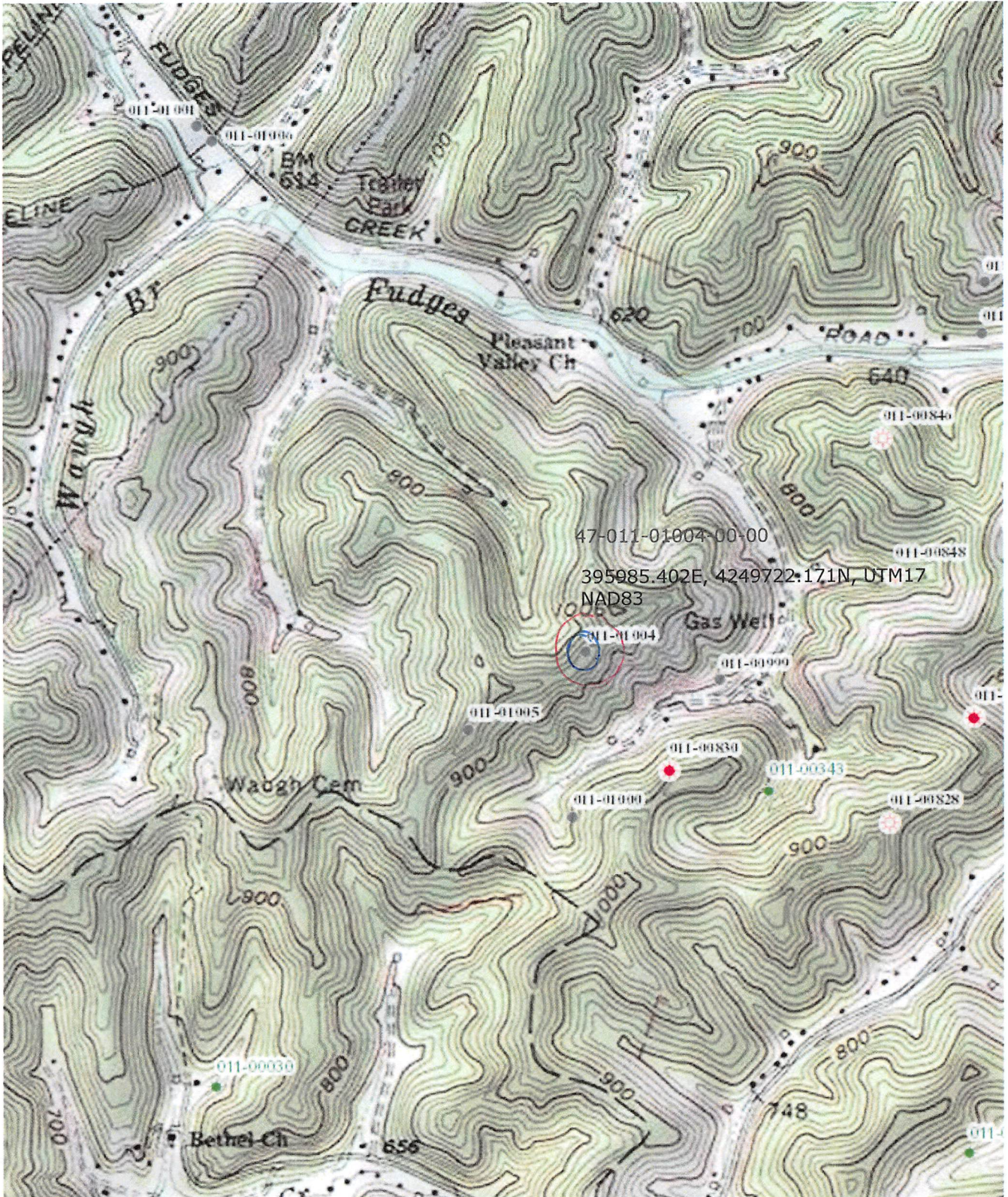


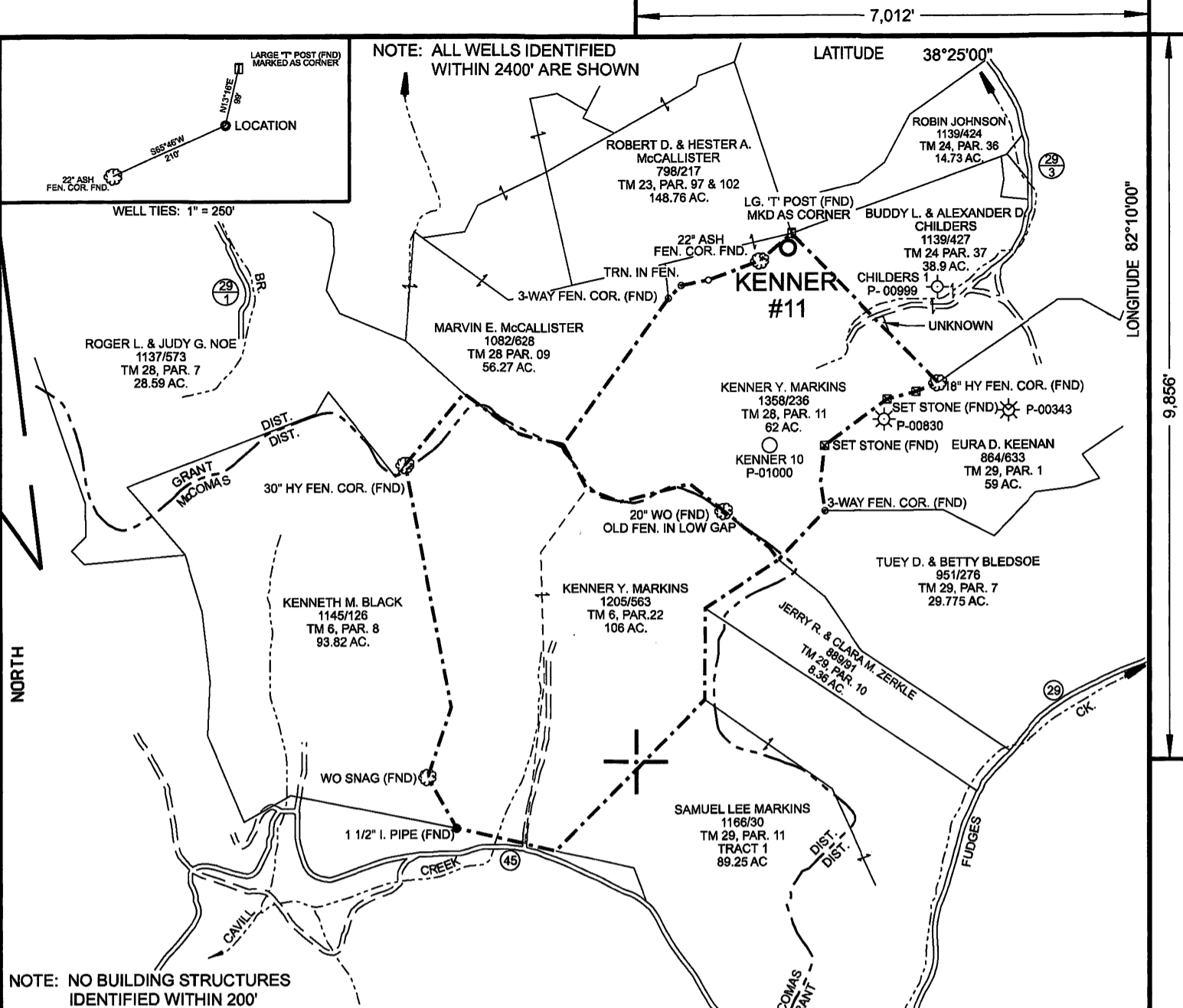
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Environmental Protection

JUL 20 2018

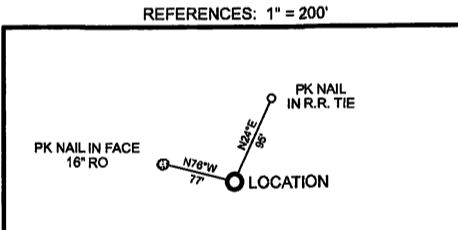
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47-011-01004





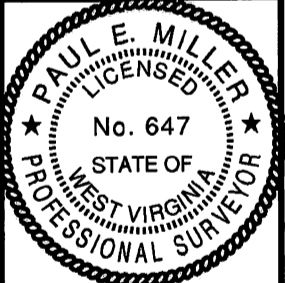
WELL SITE	
STATE PLANE WV SOUTH ZONE NAD 1927 N - 508,179.851 : E - 1,658,599.605	
NAD83	LATITUDE: (N) 38.3896664° LONGITUDE: (W) 82.1910225°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,249,722.171 : E - 395,985.402	



FILE NO.	<u>KENNER 11.DGN</u>
DRAWING NO.	<u>KENNER 11</u>
SCALE	<u>1" = 1000'</u>
MINIMUM DEGREE OF ACCURACY	<u>1 : 200</u>
PROVEN SOURCE OF ELEVATION	<u>MAPPING GRADE GPS</u>

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 ENVIRONMENTAL PROTECTION

(SIGNED) *Paul E. Miller*
R.P.E. _____ L.L.S. 647



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION		DATE <u>JULY 10</u> , 20 <u>18</u>
		OPERATOR'S WELL NO. <u>KENNER NO. 11</u> API WELL NO. _____
WELL TYPE: OIL <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION _____ WASTE DISPOSAL _____ (IF "GAS,") PRODUCTION <input checked="" type="checkbox"/> STORAGE _____ DEEP _____ SHALLOW <input checked="" type="checkbox"/>		STATE <u>47</u> COUNTY <u>011</u> PERMIT <u>01004</u>
LOCATION: ELEVATION <u>959'</u> WATER SHED <u>FUDGES CREEK</u>		COUNTY NAME
DISTRICT <u>GRANT</u> COUNTY <u>CABELL</u>		
QUADRANGLE <u>MILTON, WV 7.5'</u>		PERMIT
SURFACE OWNER <u>KENNER Y. MARKINS</u> ACREAGE <u>62</u>		
OIL & GAS ROYALTY OWNER <u>KENNER Y. MARKINS</u> LEASE ACREAGE <u>168</u>		
LEASE NO. <u>KENNER MARKINS</u>		
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____		
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____		
TARGET FORMATION <u>LOWER HURON</u> ESTIMATED DEPTH <u>3,400'</u>		
WELL OPERATOR <u>KEYROCK ENERGY, LLC</u> DESIGNATED AGENT <u>LINDA SADLER</u>		
ADDRESS <u>P.O. BOX 2223, JOHNSON CITY, TN 37605</u> ADDRESS <u>209 CAPITOL ST. CHARLESTON, WV 25301</u>		