

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, January 29, 2020 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359 SPRING, TX 77391-4954

Re: Permit approval for CHARLES JAMISON MSH 6H 47-051-02294-00-00

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:

CHARLES JAMISON MSH 6H CHARLES AND JEAN JAMIS

Farm Name:

U.S. WELL NUMBER: 47-051-02294-00-00

Horizontal 6A New Drill

Date Issued: 1/29/2020

Promoting a healthy environment.

| API Number: | |
|-------------|--|
| | |

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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

- This proposed activity may require permit coverage from the United States Army Corps of Engineers
 (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed
 activity.
- 2. 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 § 22-6A-5a (12), 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 one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

| API Number: | |
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| | |
| | |

PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

47 05 1 02294 API NO. 47-051

OPERATOR WELL NO. Charles Jamison MSH 6H
Well Pad Name: Charles Jamison MSH

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

| I) Well Operator: SWN Produ | action Co., LLC | 494512924 | Marshall | 7-Liberty | 278-Cameron |
|--|--------------------------|--------------------------------|----------------------------|-------------------------|------------------------------------|
| Well operator. | | Operator ID | County | District | Quadrangle |
| 2) Operator's Well Number: Ch | arles Jamison N | MSH 6H Well P | ad Name: Cha | rles Jamiso | n MSH |
| 3) Farm Name/Surface Owner: | Charles & Jean Ja | amison Public Ro | oad Access: G | rapevine Ric | dge Drive |
| 4) Elevation, current ground: | 1358' E | levation, propose | d post-construc | tion: 1335' | |
| 5) Well Type (a) Gas X Other | Oil | Un | derground Stor | rage | -16 |
| (b)If Gas Sha | llow x | Deep | - | | 7 |
| Hor | rizontal x | | , | he iole | 3/19 |
| 6) Existing Pad: Yes or No No | | | | | 11.0 |
| Proposed Target Formation(s) Target Formation-Marcellus, Down-Dip Well |), Depth(s), Antic | ipated Thickness | and Expected | Pressure(s): | ssociated Pressure- 4423 |
| Target Formation- Marcellus, Down-Dip Well | To the South, Target Top | 170-1220, 1digot 5000 | 110 120 11 11 11 12 | - 101511772 | |
| 3) Proposed Total Vertical Dept | h: 7249' | | | | |
| 9) Formation at Total Vertical D | epth: Marcellus | S | | | |
| 10) Proposed Total Measured D | epth: 21,192' | | | | |
| 11) Proposed Horizontal Leg Le | ngth: 13,178.5 | 4' | | | |
| 12) Approximate Fresh Water S | trata Depths: | 326' | | | |
| 13) Method to Determine Fresh | Water Depths: | Covered water wells within rac | lius, unknown depth, surfa | ce elevation correlates | to 325' TVD, less than alternate m |
| 14) Approximate Saltwater Dep | | ity Profile | | | |
| 15) Approximate Coal Seam De | pths: 1119' | | | | |
| 16) Approximate Depth to Possi | ible Void (coal m | ine, karst, other) | None that w | e are aware | of |
| 17) Does Proposed well location directly overlying or adjacent to | n contain coal sea | ims | | No | |
| (a) If Yes, provide Mine Info: | Name: McE | Iroy Mine/Marsh | nall County Mi | ne | |
| Palvin a tast beautiful comme control | Depth: 1060 | 0' | | | |
| | | househ | | | |
| | Seam: Pitts | burgh | | | |

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API NO. 47-05 02294

OPERATOR WELL NO. Charles Jamison MSH 6H
Well Pad Name: Charles Jamison MSH

18)

CASING AND TUBING PROGRAM

| TYPE | Size (in) | New or Used | Grade | Weight per ft. (lb/ft) | FOOTAGE: For Drilling (ft) | INTERVALS: Left in Well (ft) | CEMENT: Fill-up (Cu. Ft.)/CTS |
|--------------|--------------|-------------------|--------|---------------------------|-------------------------------|------------------------------------|--|
| Conductor | 20" | New | H-40 | 94# | 100' | 100' ✓ | CTS |
| Fresh Water | 13 3/8" | New | H-40 | 48# | 440' | 440' ✓ | 427 sx/CTS |
| Coal | See | Interm | Casing | | | | |
| Intermediate | 9 5/8" | New | J-55 | 36# | 2617' | 2617' √ | 1020 sx/CTS |
| Production | 5 1/2" | New | HP-110 | 20# | 21,192' | 21,192' | lead 551sx toi 3601sx 100 inside interna |
| Tubing | | | | | | | |
| Liners | | | 1 | | | | |

Ju 10/23/19

| TYPE | Size (in) | Wellbore Diameter (in) | Wall Thickness (in) | Burst Pressure (psi) | Anticipated Max. Internal Pressure (psi) | Cement Type | Cement Yield (cu. ft./k) |
|--------------|-----------|---------------------------|---------------------------|----------------------|--|----------------|--------------------------|
| Conductor | 20" | 30" | 0.25 | 2120 | 81 | Class A | 1.19/50% Excess |
| Fresh Water | 13 3/8" | 17.5" | 0.380 | 2740 | 633 | Class A | 1.19/50% Excess |
| Coal | See | Interm. Casing | | | | | |
| Intermediate | 9 5/8" | 12 1/4" | 0.395 | 3950 | 1768 | Class A | 1.19/50% Excess |
| Production | 5 1/2" | 8 3/4" | 0.361 | 12360 / | 9500 √ | Class A | 1.20/50% Excess |
| Tubing | | | | | | | |
| Liners | | | | | | | |

PACKERS

| Kind: | | |
|-------------|----------|--|
| Sizes: | | |
| Depths Set: | BECEN/ED | |

Office of Oil and Gas

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API NO. 47-051

OPERATOR WELL NO. Change Jameson AISH 671 Well Pad Name: Charles Jamison MSH

0/23/19

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with water, sand and chemical additives at a high rate. The well will be produced through surface facilities consisting of high pressure production units, vertical separation units, water and oil storage tanks. Max pressure and anticipated max rate ~9000 psig @ 100 barrels per minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 16.54
- 22) Area to be disturbed for well pad only, less access road (acres): 5.87

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment ***

25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

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*Note: Attach additional sheets as needed.

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Schlumberger Cement Additives

| | Product Name | Product Use | Chemical Name | CAS Number |
|----------------------|--------------|---------------|----------------------------------|-------------|
| Surface | S001 | accelerator | calcium chloride up to 3% | 10043-52-4 |
| Intermediate Surface | 5001 | accelerator | calcium chloride | 10043-52-4 |
| - | D080 | dispersant | sodium polynaphthalene sulfonate | 9008-63-3 |
| 0 8 | D801 | retarder | aromatic polymer derivative | propriatary |
| Kick Off Plug | D047 | antifoam | polypropylene glycol | 25322-69-4 |
| | D167 | fluid loss | aliphatic amide polymer | propriatary |
| | D154 | extender | non-crystalline silica | 7631-86-9 |
| | D400 | gas migration | boric acid | 10043-35-3 |
| | | | polypropylene glycol | 25322-69-4 |
| pag | D046 | antifoam | fullers earth (attapulgite) | 8031-18-3 |
| Production-Lead | | | chrystalline silica | 14808-60-7 |
| iti i | D201 | retarder | metal oxide | propriatary |
| npo | | | sulphonated synthetic polymer | propriatary |
| F. | D202 | dispersant | formaldehyde (impurity) | propriatary |
| | | | polypropylene glycol | 25322-69-4 |
| | D046 | antifoam | fullers earth (attapulgite) | 8031-18-3 |
| | D167 | fluid loss | aliphatic amide polymer | propriatary |
| = | | | sodium polynaphthalene sulfonate | 9008-63-3 |
| 1- | D065 | dispersant | sodium sulfate | 7757-82-6 |
| Production-Tall | | 100 | chrystalline silica | 14808-60-7 |
| npo | D201 | retarder | metal oxide | propriatary |
| Pri | D153 | anti-settling | chrystalline silica | 14808-60-7 |

Rev. 5/18/2018

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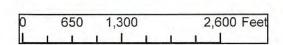
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Proposed Drilling Program Southwestern Energy Company Re-entry Rig: TBD **CHARLES JAMISON MSH 6** Well: VICTORY Prospect: VICTORY FIELD WET Field: WV State: County: MARSHALL -80.6077 Longitude 39.7919 Latitude SHL: 39.7637 Latitude -80.5881 Longitude BHL: KB: 26 ft AGL GL Elev: 1,335 ft MSL KB Elev: 1,361 ft MSL 0'to 460' Air / Mist PROD TOC Lead @ 2,637 ' MD PROD TOC Tail @ 5,100 ' MD 460 to 2,637 Air / Mist **TUBULAR DETAIL** Grade Size (in) Weight From To 100 2,637 to 6,595 94.0# H-40 0' 20 Conductor: Air / Mist Surface: 13.375 48.0# H-40 0' 440 ' J-55 0 1 2,617 Intermed/Coal: 9.625 36.0# Production: 5.5 20.0# HP-110 0' 21,192 CEMENT DETAIL Sacks Class Density 19.3 Conductor 151 Surface 427 15.6 Intermediate 1020 A 15.6 15.6 **Production Lead** 551 A **Production Tail** 3601 15.6 Air TD at 6,595 ' Freshwater Depth - 326 'TVD 6,595 'to 8,012 ' KOP at 6,595 ' MD Coal Depth - 1,119 'TVD 12.0 - 12.5 ppg Saltwater Depth - 1,121 'TVD TVD - 7,249 ' TMD - 21,192 ' Environmental Protection Office of Oil and NOV 0 5 2019 RECEIVED TD at 21,192 'MD 7,249 'TVD 7,109 ' Target Center Onondaga 7,267 'TVD 8,012 to 21,192 ' EOB at 7,109 'TVD 12.0 - 12.5 ppg SHL Onondaga 7,127 'TVD Created by: C R Hall on 10/22/2019



Legend

- Jamison Well Pad
- **Underground Mining**





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Area of Review

| | Charles Jamison 6H | | | | | | |
|------------|--|-----------|-----------|------------|-------------|----------------------------|---------------------------------------|
| API | Operator | Status | Latitude | Longitude | Vertical TD | Producing Formation | Producing Zones Not Perforated |
| 4705100409 | CONSOLIDATION COAL COMPANY, RIVER OPERATIONS | PLUGGED | 39.796581 | -80.609453 | 2500 | N/A | BIG INJUN SAND |
| 4705100872 | CONSOLIDATION COAL COMPANY, SOUTH PENN OIL | PLUGGED | 39.797161 | -80.614153 | 3085 | GORDON | GORDON |
| 4705100411 | CONSOLIDATION COAL COMPANY, MCELROY COAL COMPANY | PLUGGED | 39.78952 | -80.60709 | 2927 | N/A | GORDON |
| 4705100370 | MANUFACTURES LIGHT & HEAT COMPANY | PLUGGED | 39.786381 | -80.603811 | 2940 | GORDON | GORDON |
| 4705130414 | MANUFACTURES LIGHT & HEAT COMPANY | PLUGGED | 39.784641 | -80.603246 | 2941 | GORDON | GORDON |
| 4705100949 | CONSOLIDATION COAL COMPANY | PLUGGED | 39.782756 | -80.606441 | 2320 | BIG INJUN | BIG INJUN |
| 4705100410 | MANUFACTURES LIGHT & HEAT COMPANY | ABANDONED | 39.782031 | -80.606253 | N/A | N/A | N/A |
| 4705130413 | MANUFACTURES LIGHT & HEAT COMPANY | N/A | 39.782756 | -80.603998 | 2899 | GORDAN STRAY | GORDAN STRAY |
| 4705100757 | COLUMBIA GAS TRANSMISSION CORPORATION | ACTIVE | 39.781451 | -80.600051 | 3005 | THIRTY FOOT | FIFTH |
| 4705100373 | MANUFACTURES LIGHT & HEAT COMPANY | ABANDONED | 39.780436 | -80.603997 | 2010 | BIG INJUN | BIG INJUN |
| 4705170445 | UNKNOWN | N/A | 39.777668 | -80.604007 | N/A | N/A | N/A |
| 4705100367 | COLUMBIA GAS TRANSMISSION, LCC | ACTIVE | 39.778551 | -80.600802 | 1750 | BIG INJUN | BIG INJUN |
| 4705100369 | COLUMBIA GAS TTRANSMISSION, LLC | PLUGGED | 39.778116 | -80.595539 | N/A | N/A | N/A |
| 4705130402 | MANUFACTURES LIGHT & HEAT COMPANY | N/A | 39.774396 | -80.596291 | N/A | N/A | N/A |
| 4705100362 | COLUMBIA GAS TRANSMISSION, LCC | ACTIVE | 39.773186 | -80.597042 | 2235 | BIG INJUN | BIG INJUN |
| 4705100148 | MANUFACTURES LIGHT & HEAT COMPANY | PLUGGED | 39.772751 | -80.590653 | 2200 | BIG INJUN | BIG INJUN |
| 4705130275 | G. & A. PATTERSON | N/A | 39.766711 | -80.593659 | 1691 | SALT SANDS | SALT SANDS |
| 4705130399 | MANUFACTURES LIGHT & HEAT COMPANY | PLUGGED | 39.765551 | -80.593283 | 2891 | FOURTH | FOURTH |
| 4705130398 | MANUFACTURES LIGHT & HEAT COMPANY | PLUGGED | 39.765986 | -80.590089 | 2942 | FOURTH | FOURTH |
| 4705100047 | COLUMBIA GAS TRANSMISSION, LLC | ACTIVE | 39.765346 | -80.595538 | 1690 | SALT SANDS | SALT SANDS |
| 4705100350 | COLUMBIA GAS TRANSMISSION, LLC | ACTIVE | 39.764051 | -80.594974 | 1647 | MAXTON | MAXTON |
| 4705100349 | MANUFACTURES LIGHT & HEAT COMPANY | PLUGGED | 39.761731 | -80.588773 | 1624 | BIG INJUN | BIG INJUN |
| 4705170421 | UNKNOWN | N/A | 39.760832 | -80.589717 | N/A | N/A | N/A |

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NOV 0 5 2019

API Number 47 - 051

47 05 02294

Operator's Well No. Charles Jamison MSH 6H

WV Department of Environmental Protection

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

| Operator Name SWN Production Co., LLC | OP Code 494512924 |
|--|---|
| Watershed (HUC 10) Maggoty Run | Quadrangle Cameron |
| Do you anticipate using more than 5,000 bbls of water to co | omplete the proposed well work? Yes V No |
| Will a pit be used? Yes No V | |
| 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 | ş: |
| Land Application | |
| | ermit Number 3+165-22403, 34409-24067, 3+119-28776, 3+167-23862, 34-155-23785, 34-121-23995, 34-155-23893.) ticipated well, API# will be included with the WR-34/DDMR &/or permit addendum.) |
| Off Site Disposal (Supply form | WW-9 for disposal location) |
| Other (Explain flow back fluids w | vill be put in steel tanks and reused or taken to a permitted disposal facility |
| | |
| Will closed loop system be used? If so, describe: Yes- See | |
| Drilling medium anticipated for this well (vertical and horiz | zontal)? Air, freshwater, oil based, etc. Ar and to KOP, fluid drill with SQBM from KOP to TD |
| -If oil based, what type? Synthetic, petroleum, etc | Synthetic Oil Base |
| Additives to be used in drilling medium? Attachment 3B | |
| Drill cuttings disposal method? Leave in pit, landfill, remo- | ved offsite, etclandfill |
| -If left in pit and plan to solidify what medium wil | l be used? (cement, lime, sawdust) |
| -Landfill or offsite name/permit number? Meadowfill | SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021 |
| Arden Landfill 10072, Apex Sanitary Landfill | 106-08438, Brooke Co SVVF-1013, Valley 100280 |
| | nd Gas of any load of drill cuttings or associated waste rejected at any ided within 24 hours of rejection and the permittee shall also disclose |
| on August 1, 2005, by the Office of Oil and Gas of the Wes provisions of the permit are enforceable by law. Violation law or regulation can lead to enforcement action. I certify under penalty of law that I have person application form and all attachments thereto and that, by | and conditions of the GENERAL WATER POLLUTION PERMIT issued at Virginia Department of Environmental Protection. I understand that the pass of any term or condition of the general permit and/or other applicable andly examined and am familiar with the information submitted on this passed on my inquiry of those individuals immediately responsible for its true, accurate, and complete. I am aware that there are significant assibility of fine or imprisonment. NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGIL DER State of West Virginia My Comm. Expires Jul 20, 2020 SWN Production Company, LLC |
| Company Official Title Senior Regulatory Analyst | 179 Innovation Dr. Jane Lew, WV 26378 |
| | 000000000000000000000000000000000000000 |
| Subscribed and sworn before me this 6th day o | f May, 20 9 Notary Public |
| 7-22 26 | |
| My commission expires | |

Operator's Well No. Charles Jamison MSH 6H

| Proposed Revegetation Trea | tment: Acres Disturbe | ed 16.54 | Prevegetation | n pH |
|---|---------------------------|----------------------------|-----------------------|-----------------------------------|
| Lime as determined by pH te | st min. 2 Tons/acre or to | correct to pH 5.87 | | |
| Fertilizer type 10- | 20-20 | | | |
| Fertilizer amount 6 | 00 | lbs/acre | | |
| Mulch_ Hay/Strav | v 2.5 | Tons/acre | | |
| | | Seed Mixtures | | |
| Те | emporary | | Per | rmanent |
| Seed Type Attachment 3C | lbs/acre | | Seed Type | lbs/acre |
| | | | | |
| | | | | |
| | | ***** | | |
| Prawing(s) of road, location | , pit and proposed are: | a for land application (un | less engineered plans | s including this info have |
| brawing(s) of road, location rovided) hotocopied section of invol | | | less engineered plans | s including this info have |
| Prawing(s) of road, location rovided) hotocopied section of invol | ved 7.5' topographic s | | less engineered plans | s including this info have |
| Orawing(s) of road, location provided) Photocopied section of invol | ved 7.5' topographic s | | less engineered plans | s including this info have |
| Orawing(s) of road, location provided) Photocopied section of invol | ved 7.5' topographic s | | less engineered plans | RECEIVED Office of Oil and Gas |
| Prawing(s) of road, location rovided) Photocopied section of invol | ved 7.5' topographic s | | less engineered plans | RECEIVED |
| Attach: Drawing(s) of road, location provided) Photocopied section of invol Plan Approved by: Comments: | ved 7.5' topographic s | | h | RECEIVED Office of Oil and Gas |

Attachment 3A

CLOSED LOOP SYSTEM

The closed loop system is designed to eliminate the use of reserve pits by providing a higher level of solids control processing and using steel pits for capture of drill cuttings. The cuttings are then processed to achieve landfill requirements before hauling to approved landfills. The liquids are processed to recycle into the active mud system or to transfer to onsite temporary storage as needed.

The closed loop system consists of several sets of a shale gas separator (often called a 'methana'), several banks of solids shakers, high speed centrifuges (1 or 2) used to process the fluid portion of the mud system to remove low gravity solids, low speed centrifuge used for barite recovery in high weight liquid drilling systems, a dewatering system (for air intervals and if freshwater mud systems are in use) used to further clean liquids by flocculation and additional mechanical separation, associated open top tanks for processing liquids and capturing solids for disposal, and transfer pumps to move fluids through the processes. There is an area adjacent to the cuttings tanks (Red Zone) where a track hole is utilized to recover the processed cuttings for loading into containers for hauloff. (See attached schematic of a generic closed loop system layout)

Below are discussions of the processes used when drilling the air interval or liquids interval.

AIR DRILLING INTERVALS

During air drilling operations, flow from the rig will pass down the flowline to the Shale Gas Separater (sometimes called a methane) where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. Solids pass into the cuttings tanks where they are captured for drying and hauloff to an approved landfill site. Liquids fall into a shaker tank and are collected by a centrifugal pump to be processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low gravity solids before being reused or transferred to onsite storage.

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

When drilling is converted to liquids drilling, the shale gas separator and associated shaker tank are bypassed, and the liquids system is processed over the primary and drying shaker systems. Cuttings drop into the cuttings tank for additional processing. Any recoverable associated liquids attached to the cutting are recovered out the tank and processed through the low gravity (high speed) and barite recovery centrifuges (low speed) to further remove low gravity solids and to recover barite for reuse in the mud systems.

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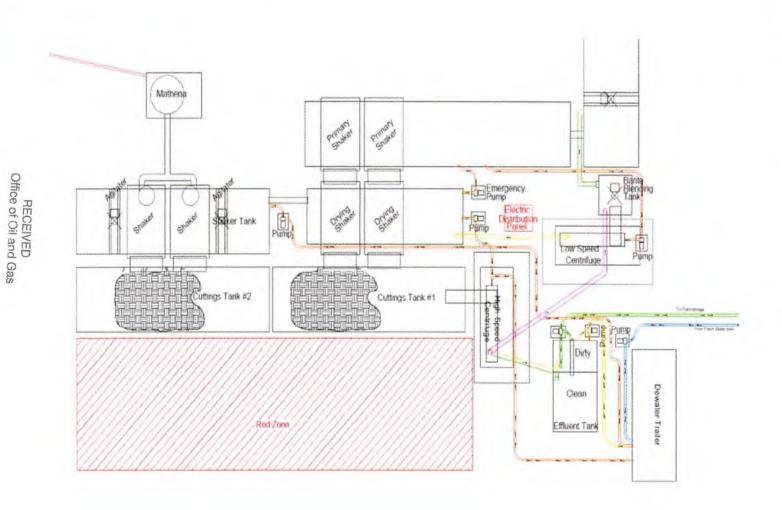
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Solids Control Layout





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Attachment 3B

Drilling Mediums

| Surface/Coal(if present)/Freshwater Intervals: |
|--|
|--|

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present):

Air

Brine (In Gas Storage areas)

Organophilic Bentonite

Production Hole:

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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WVD Seeding Specification



To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi_eddy@swn.com

| - (| please al | low 7 to | 10 days | or del | ivery) |
|-----|-----------|----------|---------|--------|--------|
| | | | | | |

| NON-ORGANIC PROPERTIES | | | |
|--|-----|--|--|
| Seed Mixture: ROW Mix | swi | N Supplied | |
| Orchardgrass | 40% | | |
| Timothy | 15% | | |
| Annual Ryegrass | 15% | | |
| Brown Top Millet | 5% | | |
| Red Top | 5% | | |
| Medium Red Clover | 5% | All legumes are | |
| White Clover | 5% | innoculated at 5x normal | |
| Birdsfoot Trefoil | 5% | rate | |
| Rough Bluegrass | 5% | | |
| Apply @ 100lbs per acre April 16th- Oct. 14th | | Apply @ 200lbs per acre Oct. 15th- April 15th PLUS bs per acre of Winter Wheat | |

| SOIL AIVIENDIVIENTS | |
|---------------------|---|
| 10-20-20 Fertilizer | *Apply @ 500lbs per Acre |
| Pelletized Lime | Apply @ 2 Tons per Acre |
| | *unless otherwise dictated by soil test results |

Seeding Calculation Information:

COUL ABACAIDS (CAIT

1452' of 30' ROW/LOD is One Acre 871' of 50' ROW/LOD is One Acre 622' of 70' ROW/LOD is One Acre

Synopsis:

Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Wheat/ac).

Special Considerations:

Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with SWN supervision at the beginning of the project to allow time for special seed delivery.

| ORGANIC PROPERTIES | | | | |
|--------------------|-----------------------------------|--|--|--|
| nic Mix | SWN Supplied | | | |
| 50% | | | | |
| 50% | | | | |
| | | | | |
| 50% | | | | |
| 50% | | | | |
| | Apply @ 200lbs per acre | | | |
| | Oct. 15th- April 15th | | | |
| | Pelletized Lime @ 2 Tons per Acre | | | |
| | 50% 50% 50% | | | |

| Seed Mixture: Wetland Mix | SWN Supplied | | |
|---------------------------|--------------|--------------------|--|
| VA Wild Ryegrass | 20% | | |
| Annual Ryegrass | 20% | RECEIVED | |
| Fowl Bluegrass | 20% Offic | ce of Oil and Gas | |
| Cosmos 'Sensation' | 10% | 00 01 00 010 | |
| Redtop | 5% 🙀 N(| OV 0 5 2019 | |
| Golden Tickseed | 5% | | |
| Maryland Senna | 5% W | / Department of | |
| Showy Tickseed | 5% Enviro | nmental Protection | |
| Fox Sedge | 2.5% | | |
| Soft Rush | 2.5% | | |
| Woolgrass | 2.5% | | |
| Swamp Verbena | 2.5% | | |
| Apply @ 25lbs per acre | Apply @ 5 | Olbs per acre | |
| April 16th- Oct. 14th | Oct. 15th | ı- April 15th | |

Rev. 5/22/2018

WV Department of Environmental Protection

MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



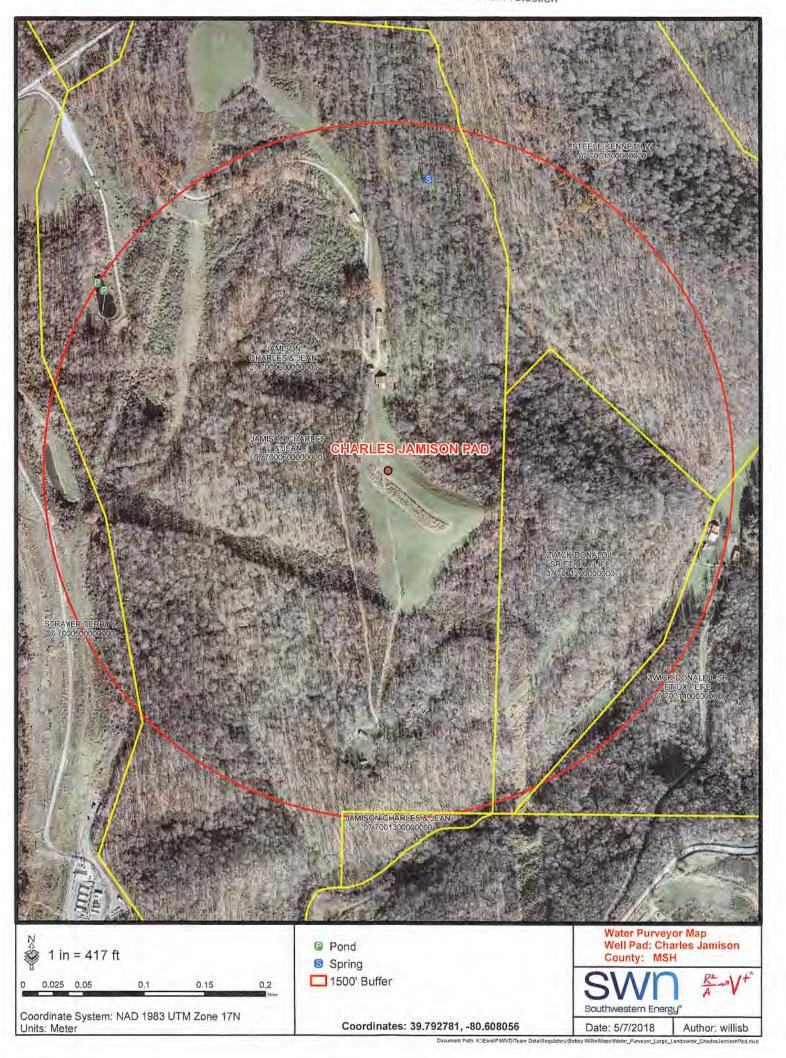
SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

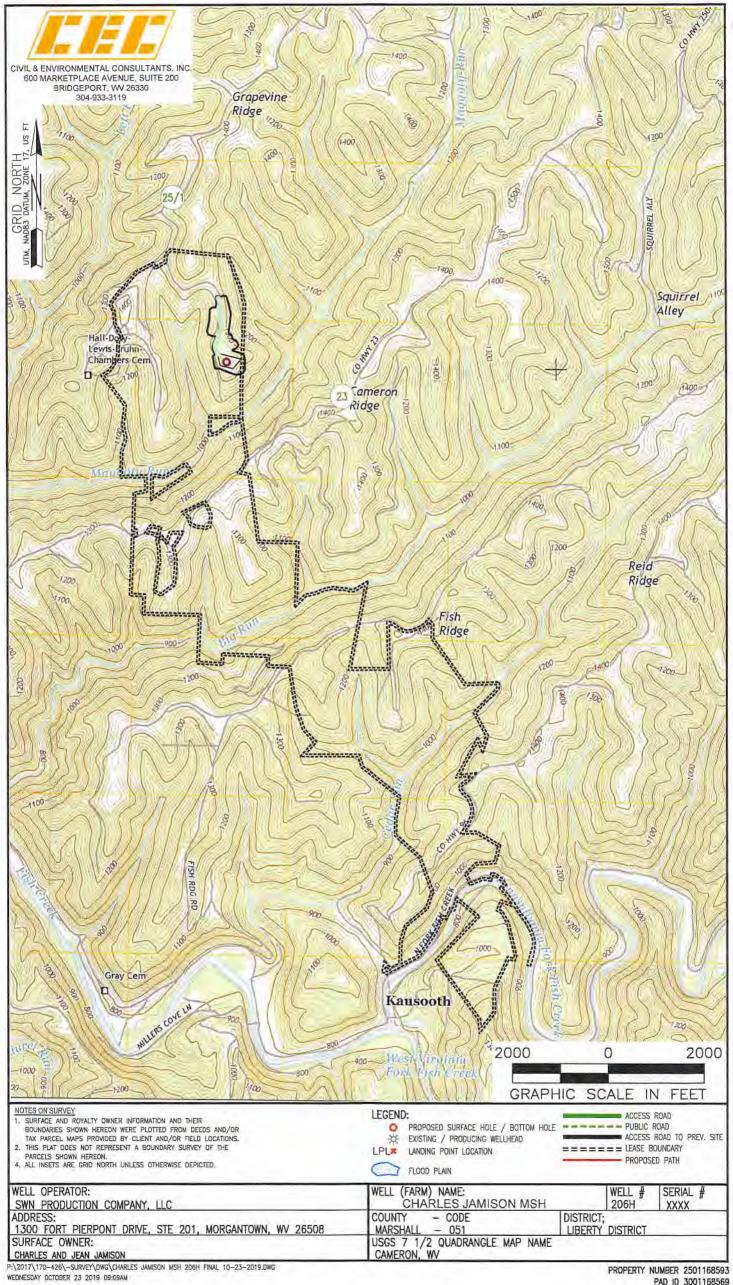
API NO. 47-XXX-XXXXX
WELL NAME: Charles Jamison MSH 6H
Cameron QUAD
Liberty DISTRICT
Marshall COUNTY, WEST VIRGINIA

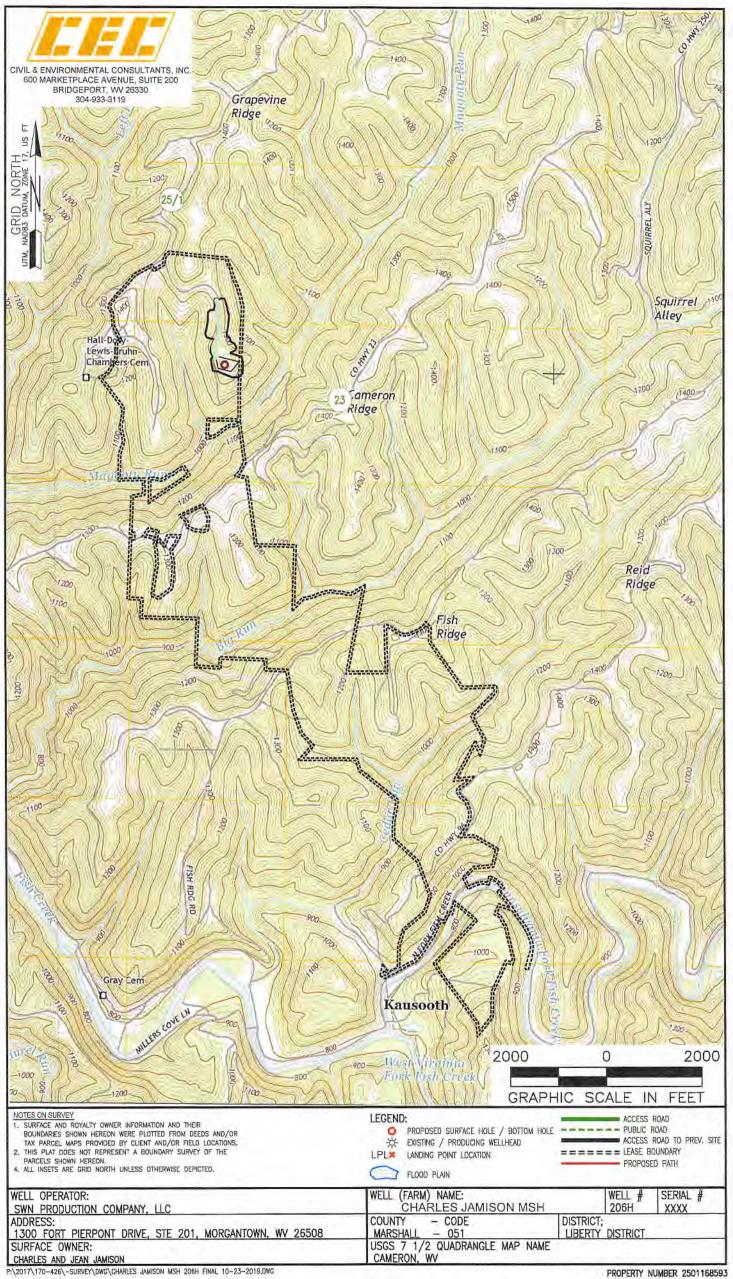
| Submitted by: | |
|--|--------------------------------|
| Name: Brittany Woody Suttany Woody | Date: <u>4/30/2019</u> |
| Title: Senior Regulatory Analyst | SWN Production Co., LLC |
| Approved by: Name: full tollow Title: Oil + Gas hyporter | Date: 5/15/19 |
| Approved by: | |
| Name: | Date: |
| Title: | RECEIVED Office of Oil and Gas |
| SWIN PRODUCTION COMPANY 11 | C - CONFIDENTIAL NOV 0 5 2019 |

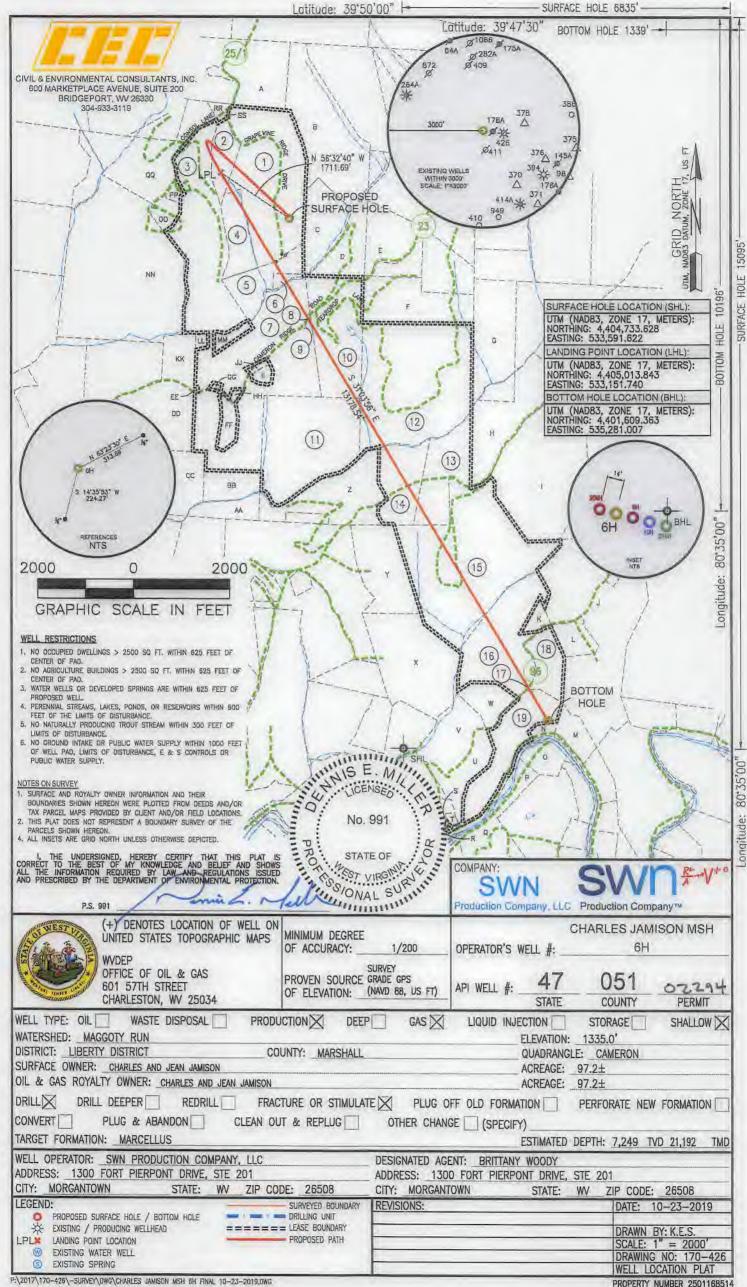
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Office of Oil and Gas

NOV 0 5 2019











| TRACT | WELL BORE TABLE FOR SURFACE OWN SURFACE OWNER | TAX PARCEL |
|-------|---|---------------|
| 1 | CHARLES AND JEAN JAMISON | 07-007-0006 |
| 2 | CONSOLIDATED COAL COMPANY, A DELAWARE CORPORATION | 07-007-0006.3 |
| 3 | CONSOL MINING COMPANY LLC | 07-007-0005.3 |
| 4 | TIMOTHY R. CAIN | 07-007-0006.2 |
| 5 | TIMOTHY R. CAIN | 07-007-0006.1 |
| 6 | CHARLES AND JEAN JAMISON | 07-007-0013 |
| 7 | GARY RAY DOBBS, ET AL | 07-010-0018 |
| 8 | CO. RT. 23 ROW (CAMERON RIDGE ROAD) | |
| 9 | JEFFREY A. MURRAY | 07-010-0018.2 |
| 10 | CONSOLIDATED COAL COMPANY, A DELAWARE CORPORATION | 07-010-0019 |
| 11 | GARY RAY DOBBS, ET AL | 07-010-0022 |
| 12 | GARY RAY DOBBS, ET UX | 07-010-0021 |
| 13 | D. VANE STARKEY | 07-010-0025 |
| 14 | HOWARD E WILLIAMS | 07-010-0025. |
| 15 | RUSSELL ALLEN DOTSON JR | 07-016-0031 |
| 16 | DONALD REX QUIGLEY, ET UX | 07-016-0033 |
| 17 | CO. RT. 96 ROW | |
| 18 | DAVID L. ELSON AND DEBBIE L. ELSON, HIS WIFE, AS JOINT TENANTS WITH THE RIGHT OF SURVIVORSHIP | 07-016-0034 |
| 19 | JOHN MATTHEW BUTLER | 07-016-0039 |
| | | |

| | ADJOINING OWNERS TABLE | |
|-------|---|---------------|
| TRACT | | TAX PARCEL |
| Α | KENNETH WAYNE STEELE TRUST | 07-007-0008.1 |
| В | KENNETH WAYNE STEELE TRUST | 07-007-0011 |
| С | GALE ZWICK (LIFE ESTATE) AND MITCHELL ZWICK (REMAINDERMAN) | 07-007-0012 |
| D | GALE ZWICK (LIFE ESTATE) AND MITCHELL ZWICK (REMAINDERMAN) | 07-007-0014 |
| E | GALE ZWICK (LIFE ESTATE) AND MITCHELL ZWICK (REMAINDERMAN) | 07-006-0012.1 |
| F | ROBIN E. QUIGLEY AND DONALD QUIGLEY, HUSBAND AND WIFE, AS JOINT TENANTS WITH THE RIGHT OF SURVIVORSHIP | 07-010-0020 |
| G | ROBIN E. QUIGLEY AND DONALD QUIGLEY, HUSBAND AND WIFE, AS JOINT TENANTS WITH THE RIGHT OF SURVIVORSHIP | 07-011-0001 |
| Н | CNX LAND LLC, A DELAWARE LIMITED LIABILITY COMPANY | 07-011-0003 |
| T | SCOTT C. MARLING AND JESSICA L. PARRY, AS JOINT TENANTS WITH THE RIGHT OF SURVIVORSHIP | 07-011-0004 |
| J | DONALD REX QUIGLEY, ET UX | 07-016-0036 |
| K | DAVID L. ELSON, ET UX | 07-016-0032 |
| L | TERRY A, AND DONNA L. BONAR | 07-016-0035 |
| | | |
| М | LOUIS S. MCCLELLAND EST | 07-016-0037 |
| N | JOHN E. RIGGS JR, ET UX | 07-016-0038 |
| 0 | JOHN E. RIGGS JR | 07-016-00041 |
| Р | JUDITH A. BURGE, VIRGINIA LEE BAILEY, AND SUELLEN MARLING | 07-016-0040 |
| Q | ALAN UNDERDONK | 07-016-0025.1 |
| R | GAIL CUMPSTON | 07-019-0020 |
| S | GEORGE R. CUMPSTON AND NANCY K. CUMPSTON, HIS WIFE; AND GAIL K. PORTER, AS JOINT TENANTS WITH THE RIGHT OF SURVIVORSHIP | 07-016-0024 |
| Ť | BEN F. ALLMAN, ET UX | 07-016-0025 |
| U | DAVID T. BUTLER — LIFE | 07-016-0026 |
| V | JOHN M. BUTLER | 07-016-0026.1 |
| W | JEREMIAH N. AND ANDREA J. MAGERS | 07-016-0033.1 |
| X | RUSSELL ALLEN DOTSON JR, ET UX | 07-016-0028 |
| Y | ROBERT D. WILLIAMS | 07-016-0030 |
| Z | DELOISE A. HORNER - LIFE | 07-016-0023 |
| AA | JAMES M. CLARK | 07-010-0009 |
| BB | JAMES M. CLARK | 07-010-0010 |
| CC | CHARLES R. CLARK AND MARILYN V. WHIPKEY, AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP | 07-010-0011 |
| DD | CHARLES R. CLARK AND MARILYN V. WHIPKEY, AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP | 07-010-0012 |
| EE | ERIC SCOTT AND TIFFANY J. DOBBS | 07-010-0018.5 |
| FF | ERIC SCOTT DOBBS AND TIFFANY JEAN DOBBS, HUSBAND AND WIFE, AS JOINT TENANTS WITH THE RIGHT OF SURVIVORSHIP | 07-010-0018.4 |
| GG | HAZEN B. PYLES | 07-010-0018.1 |
| HH | CONSOL MINING COMPANY LLC | 07-010-0018.3 |
| 11 | GARY R. AND JAN C. DOBBS | 07-010-0018.7 |
| JJ | GARY R. AND JAN C. DOBBS | 07-010-0018.6 |
| KK | PAMELA J. HOWARD | 07-010-0015 |
| LL | GARY RAY DOBBS, ET AL | 07-010-0016 |
| MM | GARY RAY DOBBS, ET AL | 07-010-0017 |
| NN | WAYNE E. GRAHAM JR, ET UX | 07-007-0004 |
| 00 | WAYNE E. GRAHAM JR | 07-007-0005.1 |
| PP | WAYNE GRAHAM | 07-007-0005.2 |
| QQ | WAYNE E. GRAHAM JR, ET UX | 07-007-0005 |
| RR | CONSOLIDATION COAL COMPANY, ET AL. | 07-007-0007 |
| SS | CNX LAND LLC | 07-007-0007.1 |

API WELL #: 47 051 02294 H4A COUNTY PERMIT

| REVISIONS: | COMPANY: | SWN Production Company, LLC | SN Production C | MA AV+ © |
|------------|----------------------------|--------------------------------|--------------------|---|
| | OPERATOR'S WELL #: | CHARLES JAMISO 6H | DN MSH | DATE: 10-23-2019 DRAWN BY: K.E.S. |
| | DISTRICT: LIBERTY DISTRICT | COUNTY: MARSHALL | STATE: WV | SCALE: N/A DRAWING NO: 170-426 WELL LOCATION PLAT 2 |

WW-6A1 (5/13) Operator's Well No. Charles Jamison MSH 6H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) 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:

| Lease Name or | | | | |
|---------------|-----------------------|-----------------------|---------|-----------|
| Number | Grantor, Lessor, etc. | Grantee, Lessee, etc. | Royalty | Book/Page |

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Office of Oil and Gas

NOV 0 5 2019

W\/ Department of Environmental Protection

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: | SWN Production Company, LLC. | |
|----------------|------------------------------|--|
| By: | 85 | |
| Its: | Staff Landman | |

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

| Tract # | Tax Parcel | Lessor | Lessee | Royalty | BK/PG | Interest Not Lease by Southwestern Production Company, LLC |
|---------|--|--|---|------------------|--|---|
| 1 | 07-07-06 | Cora Gosney and H.M. Gosney, her husband; O.L. Bruhn and Nola Bruhn, his wife; Dora W. Wagner, widow | The Manufacturers Light and Heat Company | 12.50% | 342/268 | 0.000000% |
| | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | () |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| 2 | 07-07-06.03 | Cora Gosney and H.M. Gosney, her husband; O.L. Bruhn and Nola Bruhn, his wife; Dora W. Wagner, widow | The Manufacturers Light and Heat Company | 12.50% | 342/268 | 0.000000% |
| | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | " |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | L |
| 3 | 07-07-05.03 | Royalty Owners | N/A | | | 11.111111% |
| | Phyllis J. Holt and William J. Holt, husband; John H. Malatinsky and Judith A. Malatinsky, wife; Paul A. | Columbia Gas Transmission Corporation | 12.50% | 566/572 | e e | |
| | | Malatinsky, a married person; and Philip L. Malatinsky and Victoria K. Malatinsky, wife | | | 350,572 | |
| | | Philip L. Malatinsky and Victoria K. | Columbia Natural Resources, LLC | | 642/281 | |
| | | Philip L. Malatinsky and Victoria K. Malatinsky, wife Columbia Gas Transmission | Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. | | | |
| | | Philip L. Malatinsky and Victoria K. Malatinsky, wife Columbia Gas Transmission Corporation | | | 642/281 | |
| | | Philip L. Malatinsky and Victoria K. Malatinsky, wife Columbia Gas Transmission Corporation Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | 18.00% | 642/281 650/63 | |
| | ias if | Philip L. Malatinsky and Victoria K. Malatinsky, wife Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. David J. Mullen and Sandra Mullen, husband and wife Marcia L. Kerans and Gary Kerans, | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 18.00% 18.00% | 642/281 650/63 33/110 | |
| | EIVED Dif and Gas 5 2019 strment of | Philip L. Malatinsky and Victoria K. Malatinsky, wife Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. David J. Mullen and Sandra Mullen, husband and wife Marcia L. Kerans and Gary Kerans, | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC | | 642/281 650/63 33/110 931/432 | |
| | RECEIVED Office of Oil and Gas NOV 0 5 2019 w/v Department of | Philip L. Malatinsky and Victoria K. Malatinsky, wife Columbia Gas Transmission Corporation Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. David J. Mullen and Sandra Mullen, husband and wife Marcia L. Kerans and Gary Kerans, wife and husband Paul Anthony Malatinsky and Sharon | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC | 18.00% | 642/281 650/63 33/110 931/432 | |

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

| ract# | Tax Parcel | Lessor | Lessee | Royalty | BK/PG | Interest Not Leas by Southwester Production Company, LLC |
|--------------|--|--|--|---------|--------------------|---|
| | | Nicholas A. Malatinsky, Guardian of Phillip Louis Malatinsky, a/k/a Phillip Louis Malatinsky, a/k/a Phillip Louis Malatinsky, a widower | SWN Production Company, LLC | 18.00% | 926/294 | |
| | | Jacqueline M. Loria and Michael Loria, wife and husband | SWN Production Company, LLC | 18.00% | 935/233 | |
| 4 (| 07-07-06.02 | Cora Gosney and H.M. Gosney, her husband; O.L. Bruhn and Nola Bruhn, his wife; Dora W. Wagner, widow | The Manufacturers Light and Heat Company | 12.50% | 342/268 | 0.000000% |
| | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| 5 (| 07-07-06.01 | Cora Gosney and H.M. Gosney, her husband; O.L. Bruhn and Nola Bruhn, his wife; Dora W. Wagner, widow | The Manufacturers Light and Heat Company | 12.50% | 342/268 | 0.000000% |
| | | The Manufacturers Light and Heat Company Columbia Gas Transmission | Columbia Gas Transmission Corporation Columbia Natural Resources, LLC | | 422/204 642/281 | |
| | | Corporation | | | | |
| | | Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | | 650/63 33/110 | |
| 6 C | 07-07-13 | Cora Gosney and H.M. Gosney, her husband; O.L. Bruhn and Nola Bruhn, his wife; Dora W. Wagner, widow | The Manufacturers Light and Heat Company | 12.50% | 342/268 | 0.000000% |
| | | The Manufacturers Light and Heat | Columbia Gas Transmission Corporation | | 422/204 | |
| | | Company Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 |) · |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| 7 (| 07-10-18 | Ray Lough and Belva Lough, his wife; F.H. Lough, widower; Vera Rogerson, widow; Ethel Newman and Frank Newman, her husband; and Berta Pipes, widow | The Manufacturers Light and Heat Company | 12.50% | 272/181 342/297 | 0.000000% |
| in | f | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| RECEIVED RES | V 0 5 2019 V Department of promental Protection | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| VED | 0 5 2019 Department | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| EO | V 0 E | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

| Tract # | Tax P | arcel | Lessor | Lessee | Royalty | BK/PG | Interest Not Lease by Southwestern Production Company, LLC |
|--------------------------------|--------------|---|--|--|---------|--------------------|---|
| 8 | | | Ray Lough and Belva Lough, his wife; F.H. Lough, widower; Vera Rogerson, widow; Ethel Newman and Frank Newman, her husband; and Berta Pipes, widow | The Manufacturers Light and Heat Company | 12.50% | 272/181 342/297 | 0,000000% |
| | | | The Manufacturers Light and Heat Company Columbia Gas Transmission | Columbia Gas Transmission Corporation Columbia Natural Resources, LLC | | 422/204 642/281 | |
| | | | Corporation | | | | |
| | | uo | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| 288 | | of | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | 8 |
| RECEIVED Office of Oil and Gas | NOV 0 5 2019 | WV Department of Environmental Protection | Mary M. Marshall (widow); S.E. Marshall (single); Isaac J. Hubbs and Alvilda Hubbs, his wife | The Carnegie Natural Gas Company | 12.50% | 150/459 326/127 | |
| H 09 | 00 | N D | Carnegie Natural Gas Company | The Manufacturers Light and Heat Company | | 3/93 | |
| Ö | Z | N HALL | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| 9 07- | -10-18.02 | | Ray Lough and Belva Lough, his wife; F.H. Lough, widower; Vera Rogerson, widow; Ethel Newman and Frank Newman, her husband; and Berta Pipes, widow | The Manufacturers Light and Heat Company | 12.50% | 272/181 342/297 | 0.000000% |
| | | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | / |
| 10 07- | -10-19 | | Mary M. Marshall (widow); S.E. Marshall (single); Isaac J. Hubbs and Alvilda Hubbs, his wife | The Carnegie Natural Gas Company | 12.50% | 150/459 326/127 | 0.000000% |
| | | | Carnegie Natural Gas Company | The Manufacturers Light and Heat Company | | 3/93 | k, |
| | | | The Manufacturers Light and Heat | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Company Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | / |
| 11 07- | -10-22 | | Ray Lough and Belva Lough, his wife | The Manufacturers Light and Heat Company | 12.50% | 417/284B 421/1 | 0.000000% |
| | | | The Manufacturers Light and Heat | Columbia Gas Transmission Corporation | | 421/1 | |
| | | | Company Columbia Gas Transmission | | | | |
| | | | Corporation | Columbia Natural Resources, LLC | | 642/281 | |

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

| Tract # | Tax Parcel | Lessor | Lessee | Royalty | BK/PG | Interest Not Lease by Southwestern Production Company, LLC |
|--------------------------------|---|--|--|---------|-------------------------------|---|
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | 1 |
| 12 | 07-10-21 | T.C. Pipes and L.H. Pipes, his wife; W.B. Hicks and E.V. Hicks, his wife; and John Thiel (single) | S.B. Kelly | 12.50% | 146/491 | 0.000000% |
| | чо | S.B. Kelly W.H. Young J.E. Davis | W.H. Young J.E. Davis J.W. Miller | | 146/497 146/494 146/495 | |
| Gas | t of trecti | J.E. Davis and Hettie M. Davis, husband and wife | Jefferson Oil Company | | 147/254 | |
| DE pur | NOV 0 5 2019 WV Department of vironmental Protect | J.W. Miller and Jeanette K. Miller, husband and wife | Jefferson Oil Company | | 147/255 | 7 |
| EIVI Oil 8 | 5 parti | Jefferson Oil Company | Carnegie Natural Gas Company | | 177/74 | N |
| JEC O | V 0 | Carnegie Natural Gas Company | The Manufacturers Light and Heat Company | | 3/93 | |
| SECEIVED Office of Oil and Gas | NOV 0 5 2019 WV Department of | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 |) |
| 0 | Ŭ | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | V No. |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | 0 |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | / |
| 13 | 07-10-25 | F.R. Reynolds and Lora Reynolds, his wife; C.E. Lancaster and Laura B. Lancaster, his wife; Will J. Booher and Doane Booher, his wife | J.W. Miller | 12.50% | 149/33 | 0.000000% |
| | | J.W. Miller and Jeannette K. Miller, husband and wife | Carnegie Natural Gas Company | | 177/75 | |
| | | Carnegie Natural Gas Company | The Manufacturers Light and Heat Company | | 3/93 | 0 |
| | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | 3 |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| 14 | 07-10-25.01 | F.R. Reynolds and Lora Reynolds, his wife; C.E. Lancaster and Laura B. Lancaster, his wife; Will J. Booher and Doane Booher, his wife | J.W. Miller | 12.50% | 149/33 | 0.000000% |
| | | J.W. Miller and Jeannette K. Miller, husband and wife | Carnegie Natural Gas Company | | 177/75 | |
| | | Carnegie Natural Gas Company | The Manufacturers Light and Heat Company | | 3/93 | (|
| | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

| ract# | Tax | Parcel | Lessor | Lessee | Royalty | BK/PG | Interest Not Lease by Southwesters Production Company, LLC |
|-----------------------------------|----------|--|---|--|---------|--------------------|---|
| 15 07 | 07-16-31 | | Mary Charnock, Committee for C.M. Charnock, an insane person | The Wheeling Natural Gas Company | 12.50% | 132/514 | 0.000000% |
| | | | The Wheeling Natural Gas Company | The Manufacturers Light and Heat Company | | 148/389 | |
| | | | The Manufacturers Light and Heat Company | Union Gasoline and Oil Corporation | | 197/120 | |
| | | | Union Gasoline and Oil Corporation | The Preston Oil Company | | 2/136 | |
| | | | The Preston Oil Company | The Manufacturers Light and Heat Company | | 2/225 | |
| | | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 36/422 | / |
| 16 07- | -16-33 | | Hope Reid, single | The Manufacturers Light and Heat Company | 12.50% | 417/284F 421/39 | 0.000000% |
| | | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 36/422 | / |
| 17 | | | Hope Reid, single | The Manufacturers Light and Heat Company | 12.50% | 417/284F 421/39 | 0.000000% |
| | | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 36/422 | |
| | | | Martha Jane Chambers, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/270 33/110 | |
| | | | Sara Jean Chambers, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/274 33/110 | |
| Sas | | of | June Marie Rush, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/279 33/110 | |
| E Pu | 2019 | Prote | Lisa Warren, single, f.k.a. Lisa Chambers | Chesapeake Appalachia, L.L.C. | 12,50% | 679/283 | |
| SES | LO | ntal F | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| RECEIVED Office of Oil and Gas | NOV 0 | WV Department of Environmental Protection | Kathryn A. Kinsey, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 15.00% | 679/288 33/110 | |
| 0 | 1 | Envi | Robert C. Richardson, widower Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/292 33/110 | |
| | | | Delora H. Gehrdes and James | Chesapeake Appalachia, L.L.C. | 12.50% | 680/106 | |
| | | | Gehrdes, her husband | THE RESIDENCE OF THE PARTY OF T | | | |

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

| Tract# | 7 | ax Parcel | Lessor | Lessee | Royalty | BK/PG | Interest Not Lease by Southwestern Production Company, LLC |
|-----------------------------------|--------------|--|---|--|---------|--------------------|---|
| | | | Kenneth Lloyd Hostetler, widower | Chesapeake Appalachia, L.L.C. | 12.50% | 680/301 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| | | | National City Bank of Pennsylvania, successor to First National Bank and Trust Company of Waynesburg, Pennsylvania, Testamentary Trustee | Chesapeake Appalachia, L.L.C. | 12.50% | 686/189 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| | | | Stephen W. Burge, married dealing in his sole right | Chesapeake Appalachia, L.L.C. | 14.00% | 680/272 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| | | | Carol J. Spence, widow | SWN Production Company, LLC | 15.00% | 910/116 |) |
| | | | Claudia L. Raven, a married woman dealing in her sole and separate property | SWN Production Company, LLC | 15.00% | 910/120 | |
| | | | Gail Richardson Barner, married dealing in her sole and separate property | SWN Production Company, LLC | 15.00% | 910/122 | 1 |
| 18 (| 07-16-34 | | Hope Reid, single | The Manufacturers Light and Heat Company | 12.50% | 417/284F 421/39 | 0.000000% |
| | | | The Manufacturers Light and Heat Company | Columbia Gas Transmission Corporation | | 422/204 | |
| | | | Columbia Gas Transmission Corporation | Columbia Natural Resources, LLC | | 642/281 | |
| | | | Columbia Natural Resources, LLC | Chesapeake Appalachia, L.L.C. | | 650/63 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 36/422 | |
| 19 (| 07-16-39 | | Martha Jane Chambers, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/270 33/110 | 0.000000% |
| | | | Sara Jean Chambers, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/274 33/110 | |
| | | | June Marie Rush, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/279 33/110 | |
| | | | Lisa Warren, single, f.k.a. Lisa Chambers | Chesapeake Appalachia, L.L.C. | 12.50% | 679/283 | 1 |
| | | - | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| Gas | 5 | it of tection | Kathryn A. Kinsey, widow Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 15.00% | 679/288 33/110 | |
| PECEIVED Office of Oil and Gas | NOV 0 5 2019 | WV Department of Environmental Protection | Robert C. Richardson, widower Chesapeake Appalachia, L.L.C. | Chesapeake Appalachia, L.L.C. SWN Production Company, LLC | 12.50% | 679/292 33/110 | |
| De of |)(| / Del | Delora H. Gehrdes and James Gehrdes, her husband | Chesapeake Appalachia, L.L.C. | 12.50% | 680/106 | X ₀₀ |
| Office | N | W | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| | | (4.1 | Kenneth Lloyd Hostetler, widower | Chesapeake Appalachia, L.L.C. | 12.50% | 680/301 | |
| | | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, L.L.C., Operator Jamison 6H

Marshall County, West Virginia

| Tract# | Tax Parcel | Lessor | Lessee | Royalty | вк/рд | Interest Not Lease by Southwestern Production Company, LLC |
|--------|------------|---|-------------------------------|---------|---------|---|
| | | National City Bank of Pennsylvania, successor to First National Bank and Trust Company of Waynesburg, Pennsylvania, Testamentary Trustee | Chesapeake Appalachia, L.L.C. | 12.50% | 686/189 | |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| | | Stephen W. Burge, married dealing in his sole right | Chesapeake Appalachia, L.L.C. | 14.00% | 680/272 | |
| | | Chesapeake Appalachia, L.L.C. | SWN Production Company, LLC | | 33/110 | |
| | | Carol J. Spence, widow | SWN Production Company, LLC | 15.00% | 910/116 | |
| | | Claudia L. Raven, a married woman dealing in her sole and separate property | SWN Production Company, LLC | 15.00% | 910/120 | |
| | | Gail Richardson Barner, married dealing in her sole and separate property | SWN Production Company, LLC | 15.00% | 910/122 | |

RECEIVED
Office of Oil and Gas

1



SWN Production Company, LLC

1300 Fort Pierpont Dr, Ste 201 Morgantown, WV 26508 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

October 22, 2019

Ms. Laura Adkins WV DEP Office of Oil & Gas 601 57th St., SE Charleston, WV 25304

RE: SWN's proposed well: Charles Jamison MSH 6H in Marshall County, West Virginia, Drilling under Grapevine Ridge Drive, Cameron Ridge Road, Fish Ridge Road, and Reid Ridge Road.

Dear Ms. Adkins:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Grapevine Ridge Drive, Cameron Ridge Road, Fish Ridge Road, and Reid Ridge Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Boston Smith

Staff Landman

SWN Production Company, LLC

Office of Oil and Gas

NOV 0 5 2019

WV Department of Environmental Protection

R2 AV+°

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

| Date of Noti | ce Certification: 10/3/119 | API No. 47 | - 051 - | | | | |
|--|--|--|--|-----------------------------|--|--|--|
| | -10/04/1 | | Operator's Well No. Charles Jamison MSH 6H | | | | |
| | | | ame: Charles | | | | |
| Notice has | been given: | Andread a Metrica | | | | | |
| Pursuant to th | he provisions in West Virginia Code | § 22-6A, the Operator has provided the req | uired parties w | ith the Notice Forms listed | | | |
| | tract of land as follows: | PE 45.00 | San Santana | | | | |
| State: | West Virginia | UTM NAD 83 Easting: | 533,591.622 | | | | |
| County: | Marshall | Northing: | 4404733.628 | | | | |
| District: | Liberty | Public Road Access: | Grapevine Ridge Drive | | | | |
| Quadrangle: | Cameron | Generally used farm name: | Charles Jamison | | | | |
| Watershed: | Maggoty Run | | | | | | |
| requirements Virginia Code of this article | of subsection (b), section sixteen of subsection (b), the applicant shall have been completed by the applica | arvey pursuant to subsection (a), section to of this article were waived in writing by the tender proof of and certify to the secretary to the | he surface ow that the notice | ner; and Pursuant to West | | | |
| | erator has properly served the require | | (-1297-MAXE) | | | | |
| *PLEASE CHI | ECK ALL THAT APPLY | | | OOG OFFICE USE ONLY | | | |
| ☐ 1. NO | TICE OF SEISMIC ACTIVITY or | ■ NOTICE NOT REQUIRED BECAU SEISMIC ACTIVITY WAS CONDUCT | | RECEIVED/ NOT REQUIRED | | | |
| ■ 2. NO | TICE OF ENTRY FOR PLAT SUR | /EY or ☐ NO PLAT SURVEY WAS CO | NDUCTED | ☐ RECEIVED | | | |
| ■ 3. NO | TICE OF INTENT TO DRILL or | ☐ NOTICE NOT REQUIRED BECAU NOTICE OF ENTRY FOR PLAT SURV WAS CONDUCTED or | | ☐ RECEIVED/ NOT REQUIRED | | | |
| | | WRITTEN WAIVER BY SURFAC (PLEASE ATTACH) | CE OWNER | | | | |
| ■ 4. NO | TICE OF PLANNED OPERATION | RECEIVED | | ☐ RECEIVED | | | |
| ■ 5, PUE | BLIC NOTICE | Office of Oil and Gas | | ☐ RECEIVED | | | |
| ■ 6. NO | TICE OF APPLICATION | NOV 0 5 2019 | | ☐ RECEIVED | | | |
| | | WAY Department of | | | | | |

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Environmental Protection

By:

Certification of Notice is hereby given:

THEREFORE, I Brittany Woody , have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification 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.

Well Operator: SWN Production Co., LLC

Brittany Woody

Its: Senior Regulatory Analyst

Telephone: 304-884-1610

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Email: Brittany_Woody@swn.com

NOTARY PUBLIC DEPICIAL SEAL
JESSICA L. VANGILDER
State of West Virginia
My Comm. Expires Jul 20, 2020
SWN Production Company, LLC
179 Innovation Dr. Jane Lew, WV 26378

Subscribed and sworn before me this and day of May

7

Notary Public

My Commission Expires_

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deepprivacyofficer@wv.gov.

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Office of Oil and Gas

NOV 0 5 2019

API NO. 47- 051

OPERATOR WELL NO. Charles Jamison MSH 6H
Well Pad Name: Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

| Not | ice Time Requirement: | notice shall be provided no later the | an the filing date of permit application. |
|--|---|--|--|
| | e of Notice: 15310 Dice of: | Pate Permit Application Filed: | 31/19 |
| V | PERMIT FOR ANY WELL WORK | CONSTRUCTION OF | PROVAL FOR THE AN IMPOUNDMENT OR PIT |
| Deli | very method pursuant | to West Virginia Code § 22-6A-10 | O(b) |
| | PERSONAL SERVICE | | IOD OF DELIVERY THAT REQUIRES A IPT OR SIGNATURE CONFIRMATION |
| the soil and description of the soil and description of the soil and t | surface of the tract on which and gas leasehold being deribed in the erosion and seator or lessee, in the event according to the event according to the event work, if the surface tract is condiment or pit as describe a water well, spring or waide water for consumption osed well work activity is action (b) of this section had of the sheriff required ision of this article to the e. R. § 35-8-5.7.a requires | ch the well is or is proposed to be local veloped by the proposed well work, it bediment control plan submitted pursual the tract of land on which the well press of record of the surface tract or training to be used for the placement, constructed in section nine of this article; (5) A later supply source located within one in by humans or domestic animals; and to take place. (c)(1) If more than three hold interests in the lands, the applicant to be maintained pursuant to section of contrary, notice to a lien holder is not, in part, that the operator shall also p | the well plat to each of the following persons: (1) The owners of record of ated; (2) The owners of record of the surface tract or tracts overlying the f the surface tract is to be used for roads or other land disturbance as ant to subsection (c), section seven of this article; (3) The coal owner, roposed to be drilled is located [sic] is known to be underlain by one or acts overlying the oil and gas leasehold being developed by the proposed ruction, enlargement, alteration, repair, removal or abandonment of any Any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to d (6) The operator of any natural gas storage field within which the retenants in common or other co-owners of interests described in the may serve the documents required upon the person described in the eight, article one, chapter eleven-a of this code. (2) Notwithstanding any motice to a landowner, unless the lien holder is the landowner. W. Va. provide the Well Site Safety Plan ("WSSP") to the surface owner and any as provided in section 15 of this rule. |
| Ø A | application Notice 🛛 W | /SSP Notice ☐ E&S Plan Notice | ☑ Well Plat Notice is hereby provided to: |
| | JRFACE OWNER(s) | à | ☑ COAL OWNER OR LESSEE Name: Murray Energy Altn: Mason Smith |
| | ne: Charles Jamison & Jean Jam ress: 90 Liberty St. | ison | Address: 46226 National Road |
| 12.2 | e, OH 44273 | X- | St. Clairsville, OH 43950 |
| | ne: Ronnie E. Evans | 1 | COAL OPERATOR |
| | ress: 3780 Grapevine Ridge | | Name: McElroy Mine/Marshall County Mine |
| | eron, WV 26033 | | Address: |
| | | oad and/or Other Disturbance) | 11441033.7 |
| | | The state of the s | ☑ SURFACE OWNER OF WATER WELL |
| Add | ne: | | . 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
| Add | ress: | | AND/OR WATER PURVEYOR(s) |
| NI. | | | Name: See Attachment 13A |
| Nan | ne: | | Address: |
| Add | ress: | | HOPED ATOD OF ANY NATURAL CAS STORAGE SIELD |
| | THE LOT OFFICE AND CORP. | de week | OPERATOR OF ANY NATURAL GAS STORAGE FIELD |
| | JRFACE OWNER(s) (In | | Name: |
| | ie: | | Address: |
| Add | ress: | - REGEIVED | |
| | | Office of Oil and Gas | *Please attach additional forms if necessary |
| | | and the second s | |

NOV 0 5 2019

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than 'he filing date of permit application. Date Permit Application Filed: Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) PERSONAL ✓ REGISTERED ☐ METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule. ☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice ☐ Well Plat Notice is hereby provided to: COAL OWNER OR LESSEE SURFACE OWNER(s) Name: Gail Zwick Name: Address: 159 Edgington Lane #15 Address: Wheeling, WV 26003 COAL OPERATOR Name: Mitchell Zwick Address: 911 Hillcrest Drive Name: St. Albans, WV 25177 Address: ☐ SURFACE OWNER(s) (Road and/or Other Disturbance) ☐ SURFACE OWNER OF WATER WELL Name: AND/OR WATER PURVEYOR(s) Address: Name: Address: Name: Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Name: Address: Name: RECEIVED Address: Office of Oil and Gas *Please attach additional forms if necessary

NOV 0 5 2019

API NO. 47- 051

OPERATOR WELL NO. Charles damison MSH 8H

Well Pad Name: Charles Jamison MSH

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

API NO. 47-061 0 0 2 2 0 4
OPERATOR WELL NO. Charles Jamison MSH 6H
Well Pad Name: Charles Jamison MSH

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) 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.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and 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.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons:
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.



WW-6A (8-13)

API NO. 47-051 OPERATOR WELL NO. Charles Jamison MSH 6H Well Pad Name: Charles Jamison MSH

Notice is hereby given by:

introny hoody Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610

Email: Brittany_Woody@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGILDER State of West Virginia Comm. Expires Jul 20, 2020 **SWN Production Company, LLC** 179 Innovation Dr. Jane Lew, WV 26378

Subscribed and sworn before me this &

My Commission Expires

W Department of Environmental Protection

Attachment 13

| OWNER | ADDRESS | CITY_STATE_ZIP | WATERSOURCE |
|------------------------|---------------|-------------------|-------------|
| JAMISON CHARLES & JEAN | 90 LIBERTY ST | SEVILLE, OH 44273 | 4 |

Office RECEIVED

NOV 05 2019

Environmental Protection

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

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| | me: Ronnie E. Evans Name: | | | | Name: Murray Energy Attn: Mason Smith | | | Office of Oil and Gas |
| | dress: 3780 Grapevine Ridge | | | 6336 National Road | | Tan D | NOV 0 5 2019 | e H |
| Cameron, WV 26033 | 3 | | Saint Clairsville | Saint Clairsville, OH 43950 | | Department of namerital Protection | 0 | 000 |
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| Pursuant to We a plat survey o State: County: District: | est Virginia Co n the tract of la West Virginia | | Approx. Latitu Public Road A Watershed: | de & Longitude: ccess: | 39,792781, -80.6080 | 56 | | |
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Oil and Gas Privacy Notice:

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| Address: 90 Liberty St. | | | | 1000 Consol Energy Drive | | | |
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Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

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| Address | | | 40 | | s T. Wager a/k/a Kriss T. | |
| Name: | | | 19 | | 6300 Heffner Rd | |
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Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

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| | | | | | ne L. Perry a/k/a Diane Lyr | nne Russell |
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| Well Operator: | SWN PRODUCT | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | |
| Telephone: | 304-884-1610 | | | P | Morgantown, WV 26508 | 3 |
| Email: | brittany_woody@ | gswn.com | | Facsimile: | 304-884-1690 | |

Oil and Gas Privacy Notice:

Operator Well No. Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

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| Notice is | hereby pro | vided t | 0: | | | | | | |
| ☐ SURFACE OWNER(s) | | | ☐ COA | L OWNER OR LE | SSEE | | | | |
| Name: | | | | | Name: | Name: | | | |
| Address: RECEIVED | | | | | Address: | Address: | | | |
| | | | Office of Oil and | Gas | | | | | |
| | | | | i a | [ii] MONI | RAL OWNER(s) | | | |
| Address: | | 1 | NOV 0 5 20 | 19 | | da b. Klag f/k/a Linda L. Ri | | | |
| Name: | | | | - | | 2415 Coker Ave | Ge | | |
| Address: | | | WV Departme | nt of | Knoxville, TN | | | | |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | Environmental Pri | tectio | | h additional forms if ne | cessary | | |
| Pursuant | is hereby gi to West Virg rvey on the tr West Virg Marshall Liberty | ginia Co act of la ginia | ode § 22-6A-10(a), n and as follows: | otice îs | Approx. Latit Public Road a Watershed: | ude & Longitude: Access: | l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek | | |
| Quadran | gle: Cameron | | | | Generally use | ed farm name: | Charles Jamison | | |
| may be o | obtained from | the Se 04 (304 | cretary at the WV D | epartn of sucl | ent of Environmenta documents or addit | al Protection headq ional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be | | |
| Notice i | is hereby gi | ven h | | | | | | | |
| Well Op | | | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 | | |
| Telephon | | 84-1610 | THE SAME INTO THE | | | Morgantown, WV 26508 | | | |
| Email: | | | @swn.com | | Facsimile: | 304-884-1690 | | | |
| | | | | | | | | | |
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Oil and Gas Privacy Notice:

Operator Well No. Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | equirement: | Notice shall be provi | ded at least SEVE | N (7) da | iys but no more tha | in FORTY-FIVE (45) days prior to |
|--|--|---|---|---|---|---|
| entry Date of Notice | 4/18/2019 | Date of Plan | ned Entry: 4/25/201 | 9 | | |
| Delivery meth | od pursuant t | o West Virginia Co | de 8 22-6A-10a | | | |
| | | | | | | |
| ☐ PERSON | AL = | REGISTERED | ☐ METHOD | OF DEI | LIVERY THAT RE | EQUIRES A |
| SERVICE | | MAIL | RECEIPT C | OR SIGN | NATURE CONFIR | RMATION |
| on to the surface but no more that beneath such trowner of miner and Sediment C Secretary, whice enable the surface | te tract to cond an forty-five de act that has fil- als underlying Control Manua th statement shace owner to o | luct any plat surveys ays prior to such entred a declaration purse, such tract in the could all include contact in the tract in the could include contact in the could all include from the | required pursuant to to: (1) The surfact uant to section thir unty tax records. The rules related to oil of the records of the related to oil of the records of the related to oil oil of the related to oil oil of the related to oil oil oil oil oil oil oil oil oil oi | to this a ce owne ty-six, a he notic l and ga | rticle. Such notice ir of such tract; (2) irticle six, chapter t e shall include a st s exploration and p | r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any attement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to |
| Notice is herek | |); | T | 1 | . OHER WE OF LE | MARK. |
| ☐ SURFACE OWNER(s) | | | L | a crew | L OWNER OR LE | |
| Name: | | | Na | ime: | | |
| Address: | | RECEIVE | n Ac | idress: | | |
| Name | | Office of Oil ar | | | | |
| | | Office of Office | | MINI | ERAL OWNER(s) | |
| Address: | | NOV 052 | | me: Del | | |
| Name: | | MUY U D C | UIJ NE | | 343 Skyview Dr | |
| Address: | | | 145 | ntersville C | | |
| 1000 | | WW Deficien | entor | | h additional forms if ne | ccessary |
| | | Environmental F | ratection | | 7 1000 | |
| a plat survey or | st Virginia Co | | | | ne undersigned wel | l operator is planning entry to conduct |
| County: | Marshall | | Public | Road A | Access: | Grapevine Road CR 25/31 |
| District: | iberty | | Water | shed: | | Upper Fish Creek |
| Quadrangle: _0 | Cameron | | Gener | ally use | d farm name: | Charles Jamison |
| may be obtaine Charleston, WV | d from the Sec 7 25304 (304- he Secretary by by given by: SWN PRODUCTI | retary, at the WV De 926-0450). Copies of y visiting <u>www.dep.</u> | epartment of Environt such documents wv.gov/oil-and-gas | onmenta or addit | al Protection headquional information r | |
| Email: | 304-884-1610 brittany_woody@s | on and a second | Enc | simile: | 304-884-1690 | |
| | The Contract of the Contract o | | | | | |

Oil and Gas Privacy Notice:

WW-6A3 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time entry | Requirement: | Notice shall be prov | rided at least | SEVEN (7) da | ys but no more that | n FORTY-FIVE (45) days prior to | | |
|--|--|---|---|--|--|---|--|--|
| Date of Notic | e: 4/18/2019 | Date of Plan | nned Entry: | 4/25/2019 | | | | |
| Delivery met | hod pursuant | to West Virginia Co | ode § 22-6A- | 10a | | | | |
| ☐ PERSON | NAL I | REGISTERED | □ мет | THOD OF DEL | LIVERY THAT RE | EOUIRES A | | |
| SERVIC | | MAIL | | | NATURE CONFIR | | | |
| on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, when able the sur | nce tract to condinan forty-five ditract that has filerals underlying Control Manualich statement state owner to o | duct any plat surveys ays prior to such ent led a declaration pur- g such tract in the co al and the statutes an hall include contact in obtain copies from the | s required putry to: (1) The suant to secti unty tax reco d rules relate information, | rsuant to this and e surface owne on thirty-six, a ords. The notice d to oil and gas | rticle. Such notice s r of such tract; (2) s rticle six, chapter t e shall include a sta s exploration and p | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to | | |
| | eby provided to | 0: | | П соа | OWNER OR LE | CCDE | | |
| SURFACE OWNER(s) | | | | OAL OWNER OR LESSEE Name: | | | | |
| Name:Address: | | | Address | | | | | |
| /tdd/c33. | | RECEIVED | - | riddiess. | | | | |
| Name: | | Office of Oil and | Gas | - | | | | |
| Address: | | | | I MINI | ERAL OWNER(s) | | | |
| | 1 | NOV 0.5.201 | 9 | Name: Phy | /lis Fox | | | |
| Name: | | | | | 879 Meadow View, NW | | | |
| Address: | | WA/ Departmen | t of | Canal Fulton, | OH 44614 | | | |
| | | Environmental Pre | tection | *please attac | h additional forms if ne | cessary | | |
| | est Virginia Co | ode § 22-6A-10(a), n and as follows: | | | ude & Longitude: | operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek | | |
| Quadrangle: | Cameron | | | Generally use | d farm name: | Charles Jamison | | |
| Copies of the may be obtain Charleston, Wobtained from | state Erosion ar ed from the Sec V 25304 (304- the Secretary b | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u> | epartment of of such docu | the statutes an Environmenta ments or addit and-gas/pages/o | d rules related to oi il Protection headquional information re default.aspx. | il and gas exploration and production parters, located at 601 57th Street, SE, elated to horizontal drilling may be | | |
| Well Operator | : SWN PRODUCT | TON COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | | | |
| Telephone: | 304-884-1610 | | | | Morgantown, WV 26508 | | | |
| Email: | brittany_woody@ | swn.com | | Facsimile: | 304-884-1690 | | | |

Oil and Gas Privacy Notice:

WW-6A3 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | | Requirement: | Notice shall be prov | ided at least | SEVEN (7) day | ys but no more that | n FORTY-FIVE (45) days prior to | |
|--|--|--|---|---|---|---|---|--|
| Date | | e: 4/18/2019 | Date of Plan | ned Entry: | 4/25/2019 | | | |
| Deli | ivery met | hod pursuant | to West Virginia Co | ode § 22-6A- | 10a | | | |
| | PERSON | TAT I | REGISTERED | □ MET | HOD OF DEI | IVERY THAT RE | COLURES A | |
| | SERVIC | | MAIL | | The same of the same of the same of | ATURE CONFIR | | |
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| on to but i bene own and Secrenal | o the surfa no more the eath such the er of mine Sediment retary, who | nce tract to con- nan forty-five of tract that has fi- erals underlying Control Manu- ich statement si- face owner to con- | duct any plat surveys lays prior to such ent led a declaration purs g such tract in the co- al and the statutes an hall include contact in obtain copies from the | required pur ry to: (1) The suant to section unty tax recounty tax d rules relate enformation, i | suant to this are surface owner on thirty-six, are rds. The notice d to oil and gas | ticle. Such notice s of such tract; (2) s ticle six, chapter to shall include a sta exploration and p | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to | |
| _ | | by provided t | | | П | | CORE | |
| | ☐ SURFACE OWNER(s) | | | | COAL OWNER OR LESSEE | | | |
| Name: | | | | Name: | | | | |
| Add | ress: | | RECEIV | TED . | Address: | | | |
| Man | 101 | | 000 | | | | <u>_</u> | |
| Add | ress- | | | | MINE | ERAL OWNER(s) | | |
| ,,,,,, | 1033. | | NOV 0.5 | 2019 | | | | |
| Nam | | | | 2010 | Address | Elaine Dunn 2422 Oxford Down Center | | |
| | | | | erant of | Sun City Cente | er, FL 33573 | | |
| | 12. | | Environmental | | *please attacl | h additional forms if ne | cessary | |
| Purs | uant to W | | ode § 22-6A-10(a), n | | y given that th | e undersigned well | operator is planning entry to conduct | |
| | | | and as follows: | | A T -456 | de 0-1 manifolds | 39.792781, -80.608056 | |
| State | | West Virginia | | | Public Road A | ude & Longitude: | Grapevine Road CR 25/31 | |
| | nty: rict: | Marshall Liberty | | | Watershed: | 100035. | Upper Fish Creek | |
| | | Cameron | | | Generally use | d farm name: | Charles Jamison | |
| Cop may Cha | ies of the be obtain rleston, W | state Erosion a ed from the Se V 25304 (304 | cretary, at the WV D | epartment of of such docu | the statutes and Environmenta ments or additi | d rules related to o I Protection headquestion r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be | |
| Not | ice is her | reby given by | 7. | | | | | |
| | I Operator | | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 | |
| | phone: | 304-884-1610 | | | | Morgantown, WV 26508 | | |
| Ema | | brittany_woody@ | Dswn.com | | Facsimile: | 304-884-1690 | | |
| | 1075 | | - | | | | | |

Oil and Gas Privacy Notice;

WW-6A3 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | e: 4/18/2019 | | ned Entry: 4/25/2019 | it no more than FORTY-FIVE (45) days prior to | | | |
|--|---|--|---|--|--|--|--|
| | | to West Virginia Co | de § 22-6A-10a | | | | |
| □ PERSON SERVICE | | REGISTERED MAIL | ☐ METHOD OF DELIVER | | | | |
| on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi | ce tract to cond an forty-five d tract that has file rals underlying Control Manual ich statement sl | duct any plat surveys lays prior to such ent led a declaration pur g such tract in the co al and the statutes an | required pursuant to this article. y to: (1) The surface owner of s uant to section thirty-six, article inty tax records. The notice sha d rules related to oil and gas exp information, including the address | n, the operator shall provide notice of planned entry. Such notice shall be provided at least seven days uch tract; (2) to any owner or lessee of coal seams six, chapter twenty-two of this code; and (3) any li include a statement that copies of the state Erosion loration and production may be obtained from the is for a web page on the Secretary's web site, to | | | |
| Notice is here | by provided to | 0: | 200 | | | | |
| ☐ SURFACE OWNER(s) | | | | VNER OR LESSEE | | | |
| Name: | | | Name: | | | | |
| Address: | | RECEIVED | Address: | | | | |
| | | Office of Oil and | as | | | | |
| Name: | | | | COLLEGE V. | | | |
| Address: | | NOV 0 5 2019 | ■ MINERAI | | | | |
| | | MON O D CON | Name: Norma Jea | an Hamel | | | |
| Name: | | · · · · · · · · · · · · · · · · · · · | Address: 24583 | Address: 24583 Calle Magdalena | | | |
| Address: | | WV Departmen | Murrieta, CA 92562 | | | | |
| | | Environmental Pro | *please attach addi | tional forms if necessary | | | |
| | est Virginia Co | ode § 22-6A-10(a), n and as follows: | | dersigned well operator is planning entry to conduct | | | |
| State: | West Virginia | | Approx. Latitude & | | | | |
| County: | Marshall | | | - | | | |
| District: | Liberty | | Watershed: | Upper Fish Creek | | | |
| Quadrangle: | Cameron | | Generally used far | m name: Charles Jamison | | | |
| | | | | | | | |
| may be obtain Charleston, W obtained from | ed from the Se V 25304 (304 the Secretary l | cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u> | epartment of Environmental Pro | es related to oil and gas exploration and production tection headquarters, located at 601 57th Street, SE, information related to horizontal drilling may be lt.aspx. | | | |
| may be obtain Charleston, W obtained from Notice is her | ed from the Se V 25304 (304 the Secretary l reby given by | cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u> | epartment of Environmental Pro of such documents or additional wv.gov/oil-and-gas/pages/defau | tection headquarters, located at 601 57th Street, SE, information related to horizontal drilling may be <a href="https://linewidt.ncbi.nlm.new.new.new.new.new.new.new.new.new.new</td></tr><tr><td>may be obtain Charleston, W obtained from Notice is her Well Operator</td><td>ed from the Se V 25304 (304 the Secretary l reby given by</td><td>cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u></td><td>epartment of Environmental Pro of such documents or additional wv.gov/oil-and-gas/pages/defau Address: 1300</td><td>tection headquarters, located at 601 57<sup>th</sup> Street, SE, information related to horizontal drilling may be <a href=" https:="" linearch.nlm.new.new.new.new.new.new.new.new.new.new<="" td=""> | | | |
| may be obtain Charleston, W obtained from | ed from the Se V 25304 (304 the Secretary l reby given by | cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u> | epartment of Environmental Pro of such documents or additional wv.gov/oil-and-gas/pages/defau Address: 1300 | tection headquarters, located at 601 57th Street, SE, information related to horizontal drilling may be lt.aspx. | | | |

Oil and Gas Privacy Notice:

Operator Well No. Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to

| entry Date of Notic | e: 4/18/2019 | Date of Plan | ned Entr | y: 4/25/2019 | | |
|---|---|---|--|---|--|--|
| Delivery met | hod pursuant | to West Virginia C | ode § 22-6 | A-10a | | |
| ☐ PERSON SERVICE | 3,5100 | REGISTERED MAIL | | | IVERY THAT RE | |
| Pursuant to W on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, while enable the surface | Vest Virginia Cace tract to conhan forty-five of tract that has fierals underlyin Control Manuich statement s | ode § 22-6A-10(a), For duct any plat surveys days prior to such entitled a declaration puring such tract in the coal and the statutes and thall include contact to obtain copies from the | rior to fili required ry to: (1) suant to se unty tax re d rules relantion | ng a permit applic pursuant to this ar The surface owner ection thirty-six, ar ecords. The notice ated to oil and gas n, including the ac | eation, the operator ticle. Such notice s of such tract; (2) rticle six, chapter to e shall include a sta exploration and p | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
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| SURFACE OWNER(s) | | | | | | |
| Name: | | | | Name:Address: | | |
| Address. | | | | Address. | | |
| Name: | | Office of Oil and | Gas | | ERAL OWNER(s) | |
| - | | kross - | - 1 | Name: Joy | | |
| Name: | | NUV 0 5 2010 | 1 | | 17 Chinaberry Pl. | |
| Address: | | | 4, | Huber Heights | , OH 45424 n additional forms if ne | The state of the s |
| | est Virginia C | MAV Department Environmental Prote ode § 22-6A-10(a), n land as follows: | ction | | | operator is planning entry to conduct |
| State: | West Virginia | | | Approx. Latin | ide & Longitude: | 39.792781, -80.608056 |
| County: | Marshall | | | Public Road A | ccess: | Grapevine Road CR 25/31 |
| District: | Liberty | | | Watershed: | | Upper Fish Creek |
| Quadrangle: | Cameron | | | Generally use | d farm name: | Charles Jamison |
| may be obtain Charleston, W | ed from the Se V 25304 (304 | cretary, at the WV D | epartment of such do | of Environmenta ocuments or additi | l Protection headquoinal information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Notice is her | reby given by | y: | | | | |
| | | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| Telephone: | 304-884-1610 | | | | Morgantown, WV 26508 | |
| Email: | brittany_woody@ | @swn.com | | Facsimile: | 304-884-1690 | |
| | | | | - | | |

Oil and Gas Privacy Notice:

| entry | | | | -7.2 | | ys but no more tha | n FORTY-FIVE (45) days prior to |
|---|--|---|--|---|---|--|--|
| | | e: 4/18/2019 | | nned Entry: | | | |
| Delive | ery meth | od pursuant i | to West Virginia C | ode § 22-6A- | 10a | | |
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| on to to but no beneat owner and Se Secret enable | the surfath more the such the such the of mine additional the surfath the surf | ce tract to cond an forty-five d ract that has fil rals underlying Control Manua ch statement shace owner to o | duct any plat surveys ays prior to such ent led a declaration pur g such tract in the co all and the statutes an hall include contact obtain copies from the | s required pur try to: (1) The suant to secti- unty tax reco- id rules relate information, i | suant to this are surface owner on thirty-six, a rds. The notice d to oil and gar | rticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p | r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | | by provided to | 0: | | Псом | L OWNER OR LE | SSEE |
| SURFACE OWNER(s) Name: | | | | | | | |
| Name: | | | Address: | | | | |
| | | | Office of Oil a | nd Gas | 12.00 | | |
| Name: | | | 0 | | | | |
| Addre: | ss: | | NOV 05 | 2019 | | ERAL OWNER(s) | |
| Name: | | | | _ | Name: Do | iglas Gosney 231 Woodridge Dr Apt. C-2 | 204 |
| | | | MAY Densit | ment of | Addressi Wintersville, O | 231 Woodnage Dr Apt. C-2 | 204 |
| 114410 | | | Environmental | Protection | | h additional forms if ne | cessary |
| Pursua | int to We survey o | n the tract of la West Virginia Marshall | ode § 22-6A-10(a), n and as follows: | | | ude & Longitude: | l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek |
| Quadra | | Cameron | | | Generally use | d farm name: | Charles Jamison |
| Copies may be Charle obtains | s of the se obtained ston, Weed from | ed from the Sec V 25304 (304- | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u> | epartment of of such docu | the statutes an Environmenta ments or addit | d rules related to oi I Protection headquional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| | perator: | | TON COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| Teleph | | 304-884-1610 | | | | Morgantown, WV 26508 | |
| Email: | | | | | Facsimile: | | |

Oil and Gas Privacy Notice:

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|---|---|--|---|--|--|--|
| entry Date of Notic | e: 4/18/2019 | Date of Plan | ned Entry: | 4/25/2019 | | |
| Delivery met | hod pursuant | to West Virginia Co | ode § 22-6A- | ·10a | | |
| ☐ PERSON | VAL | REGISTERED | □ мет | THOD OF DE | LIVERY THAT RI | FOLURES A |
| SERVIC | | MAIL | | | NATURE CONFIF | |
| on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi | ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement sl | fuct any plat surveys ays prior to such entr ed a declaration purs g such tract in the cou il and the statutes and | required pur ry to: (1) The suant to secti unty tax reco d rules relate information, | rsuant to this a e surface owner on thirty-six, a ords. The notice d to oil and ga | rticle. Such notice or of such tract; (2) article six, chapter to se shall include a st s exploration and p | r shall provide notice of planned en- shall be provided at least seven day to any owner or lessee of coal seam twenty-two of this code; and (3) any atement that copies of the state Ero- production may be obtained from the age on the Secretary's web site, to |
| | by provided to | : | | | | |
| | E OWNER(s) | | | | L OWNER OR LE | |
| Name: | | | | Name: | | |
| Address: | | RECEIVE | | Address: | | |
| Madage | | Office of Oil a | nd Gas | - A | | |
| | | | 5,7 | | ERAL OWNER(s) | |
| Address: | | NOV 0 5 21 | 019 | | ndra Sue Peklinsky | |
| | | | | | ndra Sue Peklinsky | |
| Name: | | | | | | |
| Name: | | WV Departme | ent of | Address: | 126 Grant Ave | |
| Name: Address: | | WV Departmental P | ent of rotection | Address: Wheeling, WA | 126 Grant Ave | |
| Notice is her Pursuant to W a plat survey o State: County: | reby given: est Virginia Co on the tract of la West Virginia Marshall | Environmental P | rotection otice is hereb | Address: Wheeling, WA *please attac by given that the Approx. Latit Public Road | 126 Grant Ave 7 26003 th additional forms if ne the undersigned well ude & Longitude: | cessary l operator is planning entry to condu 39.792781, -80.608056 Grapevine Road CR 25/31 |
| Notice is her Pursuant to W a plat survey of State: County: District: | reby given: est Virginia Co on the tract of la West Virginia | Environmental Place § 22-6A-10(a), no and as follows: | rotection otice is hereb | Address: Wheeling, WA *please attack by given that the Approx. Latit Public Road A Watershed: | 126 Grant Ave 7 26003 The additional forms if ne the undersigned well ude & Longitude: Access: | cessary l operator is planning entry to condu |
| Notice is her Pursuant to W a plat survey of State: County: District: Quadrangle: Copies of the s may be obtaine Charleston, W | reby given: est Virginia Co on the tract of la West Virginia Marshall Liberty Cameron state Erosion an ed from the Sec V 25304 (304- | www.pepartmental.P. Environmental.P. de § 22-6A-10(a), no and as follows: ad Sediment Control 1 bretary, at the WV De 926-0450). Copies of | rotection otice is hereb Manual and epartment of such docu | Address: Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Watershed: Approx. Latit Public Road A Watershed: Generally use the statutes and Environmenta ments or additional and the statutes are statutes and the statutes and the statutes and the statutes are statutes are statutes and the statutes are st | 128 Grant Ave 725003 The additional forms if ne we undersigned well ude & Longitude: Access: The dram name: d rules related to of all Protection headquional information re- | cessary l operator is planning entry to condi 39.792781, -80.608058 Grapevine Road CR 25/31 Upper Fish Creek |
| Notice is her Pursuant to W a plat survey of State: County: District: Quadrangle: Copies of the s may be obtaine Charleston, W | reby given: est Virginia Co on the tract of la West Virginia Marshall Liberty Cameron state Erosion an ed from the Sec V 25304 (304- | WV Departmental P. Environmental P. de § 22-6A-10(a), nound as follows: | rotection otice is hereb Manual and epartment of such docu | Address: Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Watershed: Approx. Latit Public Road A Watershed: Generally use the statutes and Environmenta ments or additional and the statutes are statutes and the statutes and the statutes and the statutes are statutes are statutes and the statutes are st | 128 Grant Ave 725003 The additional forms if ne we undersigned well ude & Longitude: Access: The dram name: d rules related to of all Protection headquional information re- | d operator is planning entry to condict 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production understanding at the content of the cont |
| Notice is her Pursuant to W a plat survey of State: County: District: Quadrangle: Copies of the smay be obtained from | reby given: est Virginia Co on the tract of la West Virginia Marshall Liberty Cameron state Erosion an ed from the Sec V 25304 (304- the Secretary b | de § 22-6A-10(a), no and as follows: ad Sediment Control is cretary, at the WV De 1926-0450). Copies of y visiting www.dep. | rotection otice is hereb Manual and epartment of such docu | Address: Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Wheeling, Watershed: Approx. Latit Public Road A Watershed: Generally use the statutes and Environmenta ments or additional and the statutes are statutes and the statutes and the statutes and the statutes are statutes are statutes and the statutes are st | 128 Grant Ave 725003 The additional forms if ne we undersigned well ude & Longitude: Access: The dram name: d rules related to of all Protection headquional information re- | d operator is planning entry to condict 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production understanding at the content of the cont |
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Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | | | | | s but no more than | n FORTY-FIVE (45) days prior to |
|---|--|---|--|---|--|---|
| Date of Notice: | 4/18/2019 | Date of Plan | ined Entry: | 4/25/2019 | _ | |
| Delivery metho | d pursuant | to West Virginia Co | ode § 22-6A | -10a | | |
| ☐ PERSONA | L I | REGISTERED | ☐ ME | THOD OF DEL | IVERY THAT RE | QUIRES A |
| SERVICE | | MAIL | REC | EIPT OR SIGN | ATURE CONFIR | MATION |
| on to the surface but no more that beneath such tra- owner of minera and Sediment C Secretary, which enable the surfa | e tract to cond in forty-five d let that has fil als underlying ontrol Manua in statement si ce owner to o | duct any plat surveys ays prior to such ent led a declaration pur- g such tract in the co al and the statutes an hall include contact in obtain copies from the | required pury to: (1) The suant to sect unty tax record rules related information, | rsuant to this ar e surface owner ion thirty-six, ar ords. The notice ed to oil and gas | ticle. Such notice s of such tract; (2) the ticle six, chapter to shall include a state exploration and pro- | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| Notice is hereb | | 0: | | П | AND THE AR LE | 0077 |
| | OWNER(s) | | | | OWNER OR LE | |
| Name: | | | | Name: | | |
| Address: | | RECEIVE | | Address: | | * |
| Name | | Office of Oil an | d Gas | - | | |
| Name: | | | | MINE MINE | RAL OWNER(s) | |
| Address: | | NOV 0 5 20 | 19 | | ager Enterprises, LLC | |
| Name: | | | | Address: F | | |
| Address: | | WV Departme | nt of | Wheeling, WV | | |
| | | Environmental Pro | tection | | additional forms if ne | cessary |
| a plat survey on State: V County: | st Virginia Co | | otice is here | | ıde & Longitude: | operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek |
| | ameron | | | Generally used | d farm name; | Charles Jamison |
| Copies of the st may be obtained Charleston, WV | I from the Sec 25304 (304 ne Secretary b | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u> | epartment of such doc | f Environmenta uments or additi | l Protection headquoinal information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Well Operator: | | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| Telephone: | 304-884-1610 | | | | Morgantown, WV 26508 | 3 |
| Email: | brittany_woody@ | Dswn.com | | Facsimile: | 304-884-1690 | |
| | | | | | | |

Oil and Gas Privacy Notice:

| | Requirement: | Notice shall be prov | rided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to |
|---|---|--|---|
| entry Date of Notice | e: 4/18/2019 | Date of Plan | nned Entry: 4/25/2019 |
| Delivery meth | od pursuant t | o West Virginia C | ode § 22-6A-10a |
| ☐ PERSON | IAL 🔳 | REGISTERED | METHOD OF DELIVERY THAT BEOLUBES A |
| SERVICE | | MAIL | METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION |
| SERVICE | 3, | MAIL | RECEIFT OR SIGNATURE CONFIRMATION |
| on to the surfat but no more th beneath such to owner of mine and Sediment of Secretary, which | ce tract to cond an forty-five da ract that has fil- rals underlying Control Manua ch statement sh | uct any plat surveys ays prior to such ent ed a declaration pur such tract in the co I and the statutes an | Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days try to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any unty tax records. The notice shall include a statement that copies of the state Erosion of rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary. |
| Notice is here | | | |
| ☐ SURFACE | E OWNER(s) | | ☐ COAL OWNER OR LESSEE |
| Name: | | | Name: |
| Address: | | RECEIVED | Address: |
| Name: | | Office of Oil and G | as ———— |
| Address: | | and an and a | MINERAL OWNER(s) |
| | | NOV 0 5 2019 | Name: Summer Daun Miller |
| Name: | | | Address: 1309 Center St |
| Address: | | W/ Department o | Moundsville, WV 26003 |
| , 1 | Em | monmental Protec | *please attach additional forms if necessary |
| a plat survey o | eby given: est Virginia Co | de § 22-6A-10(a), n | otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.608056 |
| | Marshali | | Public Road Access: Grapevine Road CR 25/31 |
| | | | |
| | Liberty | | Watershed: Upper Fish Creek |
| District: | Liberty Cameron | <u> </u> | Watershed: Upper Fish Creek Generally used farm name: Charles Jamison |
| District: Quadrangle: Copies of the s may be obtained Charleston, W | state Erosion and from the Sec V 25304 (304- the Secretary by | retary, at the WV E 926-0450). Copies y visiting <u>www.dep</u> | N. Granda av |
| District: Quadrangle: Copies of the s may be obtaine Charleston, W obtained from Notice is her | state Erosion and from the Sec V 25304 (304- the Secretary by | retary, at the WV E 926-0450). Copies y visiting <u>www.dep</u> | Generally used farm name: Charles Jamison Manual and the statutes and rules related to oil and gas exploration and production bepartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be a.wv.gov/oil-and-gas/pages/default.aspx. |

Oil and Gas Privacy Notice:

| entry | | Date of Plan | | | ys out no more tha | R FORT E-FIVE (45) days prior to |
|--|---|--|--|--|---|--|
| Delivery meth | od pursuant t | to West Virginia C | ode § 22-6A- | 10a | | |
| PERSON. SERVICE | | REGISTERED MAIL | | | IVERY THAT RE | |
| on to the surface but no more that beneath such trowner of miner and Sediment C Secretary, whice enable the surface | te tract to cond an forty-five de act that has file als underlying Control Manua th statement shace owner to o | duct any plat surveys ays prior to such ent ed a declaration pur such tract in the co all and the statutes an hall include contact btain copies from the | s required put try to: (1) The suant to secti unty tax reco d rules relate information, | rsuant to this are surface owner on thirty-six, are rds. The notice d to oil and gas | ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| Notice is hereb | |); | | Посм | ONDER OF LE | COPE |
| ☐ SURFACE | | | | | L OWNER OR LE | |
| Name: | | | | Name: | | |
| Address: | | PLULIVE | ED | Address. | | |
| Name: | | Office of Oil a | md Gas | 1 | | |
| Address: | | | | I MINE | ERAL OWNER(s) | |
| | | NOV 0 5 2 | D19 | Name Jeff | rey H. Cunningham I 1947 Burch Ridge Road | |
| Name: | | | 2 10 | Address: | 1947 Burch Ridge Road | |
| Address: | | WV Departm | ent of | Proctor, WV 2 | | |
| | | Environmental F | Fologion | *please attac | h additional forms if ne | cessary |
| a plat survey or State: | st Virginia Co | ede § 22-6A-10(a), n and as follows: | notice is hereb | Approx. Latit | ude & Longitude: | operator is planning entry to conduct |
| | Marshall | | | Public Road A | Access: | Grapevine Road CR 25/31 |
| | Liberty | | | Watershed: Upper Fish Creek | | 200 |
| Quadrangle: | Cameron | | | Generally use | d farm name: | Charles Jamison |
| may be obtaine Charleston, WV | d from the Sec 7 25304 (304- the Secretary by eby given by | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep</u> | Department of of such docu | Environmenta ments or addit | l Protection headquional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| | 7 17 17 | ION COMPANY, LLG | | 1,4441000 | Morgantown, WV 26508 | |
| Telephone: | 304-884-1610 | to the first | | Facsimile: | 304-884-1690 | |
| Email: | brittany_woody@ | swn.com | | i acominic. | 004-004-1090 | |

Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | | | | | ys out no more ma | n FORTY-FIVE (45) days prior to |
|--|---|---|--|---|--|--|
| Date of Notic | e: 4/18/2019 | Date of Pla | nned Entry: 4 | /25/2019 | | |
| Delivery met | hod pursuant t | to West Virginia C | ode § 22-6A-1 | 0a | | |
| ☐ PERSON | | REGISTERED | | | IVERY THAT RE | |
| SERVIC | E | MAIL | RECE | IPT OR SIGN | NATURE CONFIR | MATION |
| on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi | nce tract to cond nan forty-five di tract that has file rals underlying Control Manua ich statement sh | luct any plat survey: ays prior to such ented a declaration pure such tract in the coal and the statutes an | s required purs try to: (1) The suant to section ounty tax record d rules related information, in | uant to this as surface owne n thirty-six, a ds. The notic to oil and gas | rticle. Such notice s r of such tract; (2) t rticle six, chapter to e shall include a sta s exploration and pa | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | by provided to |): | | | | |
| ☐ SURFAC | E OWNER(s) | | | ☐ COA | L OWNER OR LE | SSEE |
| Name: | | | | Name: | | |
| | | RECEIV | ED | Address: | | |
| Name: | | Office of Oil a | ind Gas | - | | |
| | | | | III MINI | ERAL OWNER(s) | |
| Address. | | NOV 052 | 019 | Name: Gar | | |
| Name: | | | 213 | Address: | 847 Basswood Ave | |
| Address: | | WV Departm | ant of | Canal Fulton, | | |
| | | Tylronmental P | totaline | *please attac | h additional forms if neo | cessary |
| | eby given: est Virginia Co on the tract of la West Virginia | de § 22-6A-10(a), n | otice is hereby | | e undersigned well ude & Longitude: | operator is planning entry to conduct |
| County: | Marshall | | | Public Road A | Access: | Grapevine Road CR 25/31 |
| District: | Liberty | | | Watershed: | | Upper Fish Creek |
| Quadrangle: | Cameron | | | Generally use | d farm name: | Charles Jamison |
| may be obtain Charleston, W obtained from Notice is her | ed from the Sec V 25304 (304- the Secretary b reby given by: | cretary, at the WV D 926-0450). Copies y visiting <u>www.dep</u> | epartment of I of such docum | Environmenta nents or additi d-gas/pages/o | l Protection headquional information re default.aspx. | il and gas exploration and production parters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Well Operator | | ION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., S | |
| Telephone: | 304-884-1610 | | | D | Morgantown, WV 26508 | |
| Email: | brittany_woody@ | swn.com | | Facsimile: | 304-884-1690 | |

Oil and Gas Privacy Notice:

4700 02206

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time F entry | Requirement: | Notice shall be prov | ided at | least SEVEN (7) da | ys but no more tha | n FORTY-FIVE (45) days prior to | |
|--|--|---|---|---|---|--|--|
| Date of Notice | 4/18/2019 | Date of Plan | nned E | ntry: 4/25/2019 | | | |
| Delivery meth | od pursuant | to West Virginia C | ode § 2 | 2-6A-10a | | | |
| ☐ PERSON | AL I | REGISTERED | | METHOD OF DEL | IVERY THAT RE | SOUIRES A | |
| SERVICE | | MAIL | | RECEIPT OR SIGN | | | |
| on to the surface but no more the beneath such to owner of miner and Sediment (Secretary, whice enable the surfa- | the tract to cond an forty-five d ract that has fil rals underlying Control Manua th statement sl ace owner to o | duct any plat surveys ays prior to such en- led a declaration pur- g such tract in the co- al and the statutes an hall include contact obtain copies from the | s require try to: () suant to ounty tax id rules informa | ed pursuant to this are I) The surface owner section thirty-six, are crecords. The notice related to oil and gastion, including the are | ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to | |
| Notice is herel | 9.30000000 | 0: | | Ē. | | | |
| ☐ SURFACE | E OWNER(s) | | | LI COA | LOWNER OR LE | SSEE | |
| Name: | | | <u> </u> | Name: | | | |
| Address: | | | | Address: | | | |
| | | RECEIVE | ED . | | | | |
| Name: | | Office of Oil a | nd Gas | | | | |
| Address: | | | | MINE | ERAL OWNER(s) | | |
| | | NOV 052 | 910 | Name: Bry | | | |
| Name: | | | 013 | Address: | | | |
| Address: | | WAY IS | - | Akron, OH 443 | | | |
| | | WW Departme | ent of | *please attac | h additional forms if ne | cessary | |
| | | = ivironmental Pr | otectio | n | | | |
| Notice is here | eby given: | | | | war day day and social | Laurina anto to conduct | |
| | | | iotice is | nereby given that th | e undersigned wer | l operator is planning entry to conduct | |
| | | and as follows: | | Ammon I atit | udo & Lanaituda: | 39.792781, -80.608056 | |
| | West Virginia | | | Public Road A | ude & Longitude: | Grapevine Road CR 25/31 | |
| | Marshall | | | _ Watershed: | Access. | | |
| TOTAL PROPERTY. | Liberty | | - | | | | |
| Quadrangle: | Cameron | | | _ Generally use | d farm name. | Charles Jamison | |
| may be obtaine Charleston, W | d from the Sec 25304 (304) the Secretary by eby given by | cretary, at the WV L -926-0450). Copies by visiting <u>www.dep</u> | epartm of such | ent of Environmenta | I Protection headquional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be Suite 201 | |
| Telephone: | 304-884-1610 | | | | Morgantown, WV 26508 | 3 | |
| Email: | brittany_woody@ | Oswn.com | | Facsimile: | 304-884-1690 | | |
| | J. Many_Washing | yermine and | | _ | | | |

Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | equirement: | Notice shall be prov | ided at least | SEVEN (7) da | ys but no more that | n FORTY-FIVE (45) days prior to |
|---|---|--|---|---|---|--|
| entry Date of Notice | 4/18/2019 | Date of Plan | ned Entry: | 4/25/2019 | | |
| Delivery metho | od pursuant t | to West Virginia Co | ode § 22-6A | -10a | | |
| ☐ PERSONA | AL I | REGISTERED | П ме | THOD OF DEL | IVERY THAT RE | OURES A |
| SERVICE | | MAIL | | | NATURE CONFIR | |
| on to the surface but no more that beneath such tra owner of miner and Sediment C Secretary, whice | e tract to cond in forty-five d act that has fil als underlying Control Manua h statement sl ace owner to o | duct any plat surveys ays prior to such ent led a declaration pursy such tract in the coul and the statutes and all include contact in the co | required pury to: (1) The suant to sect unty tax record d rules relate information, | rsuant to this are surface owners on thirty-six, a ords. The notice of to oil and gar including the a | rticle. Such notice s r of such tract; (2) tricle six, chapter to e shall include a sta s exploration and p ddress for a web pa | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| SURFACE | OWNER(s) | | | ☐ COA | LOWNER OR LE | SSEE |
| Name: | | | 2 | Name: | | |
| Address: | | | - | Address: | | |
| | | RECEIVED | L. | _ | | |
| Name:Address: | | Office of Oil and | Gas | I MINI | ERAL OWNER(s) | |
| | | NOV OF 2016 | 4 | Name: Set | h Thomas Holl | |
| Name: | | . 00 7013 | 1 | Address: | 4927 Charles Partin Dr | |
| Address: | | WALTER | 4 | Parrish, FL 34 | | |
| | E | invironmental Prote | of ection | *please attac | h additional forms if ne | cessary |
| a plat survey on | e by given: st Virginia Co | ode § 22-6A-10(a), n | | | | l operator is planning entry to conduct |
| | West Virginia | | | | ude & Longitude: | 39.792781, -80.608056 |
| | Marshall | | | Public Road | Access: | Grapevine Road CR 25/31 |
| | Liberty | | | Watershed: | a week a series | Upper Fish Creek |
| Quadrangle: _c | Cameron | | | Generally use | d farm name: | Charles Jamison |
| may be obtained Charleston, WV | d from the Sec 25304 (304- | cretary, at the WV D | epartment of such docu | f Environmenta iments or addit | I Protection headquional information re | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Notice is here | by given by | : | | | | |
| Well Operator: | | TON COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| Telephone: | 304-884-1610 | | | | Morgantown, WV 26508 | 3 |
| Email: | brittany_woody@ | swn.com | | Facsimile: | 304-884-1690 | |
| 07 10 * | N. F | Cities | | | | |

Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time entry Date of Notice | | | nned Entry: 4/25/2019 | ys out no more that | FORT 1-FIVE (45) days prior to |
|--|---|---|---|--|---|
| | | to West Virginia C | | | |
| ☐ PERSO | | REGISTERED | ☐ METHOD OF DEI | IVERY THAT RE | QUIRES A |
| SERVIC | | MAIL | RECEIPT OR SIGN | NATURE CONFIR | MATION |
| on to the surf but no more t beneath such owner of min and Sediment Secretary, wh enable the sur | ace tract to cond han forty-five d tract that has fil erals underlying Control Manualich statement sl face owner to co | duct any plat survey ays prior to such en led a declaration pur g such tract in the co al and the statutes ar hall include contact obtain copies from the | s required pursuant to this a try to: (1) The surface ownersuant to section thirty-six, a punty tax records. The notion of rules related to oil and ga information, including the a | ticle. Such notice s r of such tract; (2) to rticle six, chapter to e shall include a state s exploration and pro- | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | eby provided to | | П сол | L OWNER OR LE | CCEE |
| | CE OWNER(s) | | | | 3300 |
| | | | Address | | |
| Address: | | RECEIVED | _ Address. | | |
| Name: | | Office of Oil and | Gas | | |
| Address: | | Day. | ■ MIN | ERAL OWNER(s) | |
| | | NOV 0 5 2019 | Name: Jar | | |
| Name: | | | Address: | 906 Denshire Dr. NW | |
| Address: | | WV Department | Canal Fulton, | | |
| | E | nvironmental Prote | *please attac | h additional forms if ne | cessary |
| Notice is he Pursuant to V a plat survey State: County: District: | reby given: Vest Virginia Co on the tract of le West Virginia Marshall Liberty | ode § 22-6A-10(a), i and as follows: | | ude & Longitude: | operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek |
| Quadrangle: | | | | Generally used farm name: Charles Jamison | |
| Copies of the may be obtain Charleston, V obtained from | state Erosion a ned from the Se VV 25304 (304 | cretary, at the WV I -926-0450). Copies by visiting <u>www.de</u> p | Department of Environment | il Protection headquional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Well Operato | | TION COMPANY, LLC | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| Telephone: | 304-884-1610 | HOR COMPANY, LLC | | Morgantown, WV 26508 | |
| Email: | - | Devin com | Facsimile: | 304-884-1690 | |
| Milatt. | brittany_woody@ | gaminoin | | | |

Oil and Gas Privacy Notice:

| entry | Requirement: e: 4/18/2019 | | nned Entry: 4/25/2019 | s out no more than | | (- 2 - 1 | o s Prince | |
|--|--|---|---|--|--|---|--|---------------------------------------|
| | | | | | | | | |
| Delivery met | hod pursuant | to West Virginia C | ode § 22-6A-10a | | | | | |
| ☐ PERSON | NAL I | REGISTERED | ☐ METHOD OF DELI | VERY THAT RE | QUIRES A | | | |
| SERVIC | E | MAIL | RECEIPT OR SIGNA | ATURE CONFIRI | MATION | | | |
| on to the surfa but no more the beneath such owner of min- and Sediment Secretary, wh | ace tract to cond nan forty-five d tract that has fil erals underlying Control Manua ich statement sl | duct any plat survey: ays prior to such en- led a declaration pur g such tract in the co al and the statutes an | Prior to filing a permit applica is required pursuant to this arti- try to: (1) The surface owner suant to section thirty-six, art ounty tax records. The notice and rules related to oil and gas information, including the ad- ne secretary. | icle. Such notice si of such tract; (2) to icle six, chapter tw shall include a state exploration and pr | hall be provided any owner of venty-two of tement that conduction may | led at least or lessee of this code; a opies of the be obtain | seven of coal seand (3) as state I ed from | lays cams any Prosion the |
| Notice is here | by provided t | 0: | | | | | E | |
| C SUPEAC | E OWNER(s) | | □ coal | OWNER OR LES | SSEE | Enviro | | 0 |
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| Address: | | | | | | V Department of onmental Protection | NOV 0 5 2019 | RECEIVED Office of Oil and Gas |
| Mamai | | | | | | oant nta | en | SEV |
| Address: | | | ■ MINE | RAL OWNER(s) | | Pr | 201 | 豊田 |
| | | | | y Todd Fromhart | | nt o | 9 | 0 |
| Name: | | | | | | 50 34 | | S |
| Address: | | | Moundsville, W | | | n | | |
| | | | *please attach | additional forms if nec | essary | | | |
| a plat survey of State: | est Virginia Co on the tract of I | ode § 22-6A-10(a), r and as follows: | notice is hereby given that the Approx. Latitu Public Road A | de & Longitude: | operator is pl | 08056 | ry to co | onduct |
| County: | Marshall | | Watershad | ccess. | Upper Fish Creek | | | _ |
| District: Quadrangle: | Liberty | | Generally used | farm name: | Charles Jamison | | | |
| | | | | | | | | |
| may be obtain Charleston, W obtained from | ned from the Se /V 25304 (304 the Secretary I | cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u> | I Manual and the statutes and Department of Environmental of such documents or addition, ww.gov/oil-and-gas/pages/de | Protection headque anal information re | arters, locate | d at 601 57 | Stree | t, SE, |
| may be obtain Charleston, W obtained from Notice is he | ned from the Se V 25304 (304) the Secretary reby given by | cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u> 7: | Department of Environmental of such documents or addition www.gov/oil-and-gas/pages/documents | Protection headque on al information restault.aspx. | earters, locate | d at 601 57 | Stree | t, SE, |
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| may be obtain Charleston, W obtained from Notice is he | ned from the Se V 25304 (304) the Secretary reby given by | cretary, at the WV I -926-0450). Copies by visiting www.der 7: TION COMPANY, LLC | Department of Environmental of such documents or addition www.gov/oil-and-gas/pages/documents | Protection headque on al information restault.aspx. | earters, locate elated to horiz | d at 601 57 | "Stree | t, SE, |

Oil and Gas Privacy Notice:

Operator Well No. Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | | | |
|--|--|--|--|
| Date of Notic | ce; 4/18/2019 | Date of Plan | nned Entry: 4/25/2019 |
| Delivery met | hod pursuant t | o West Virginia Co | Code § 22-6A-10a |
| ☐ PERSON | NAL 🔳 | REGISTERED | ☐ METHOD OF DELIVERY THAT REQUIRES A |
| SERVIC | Œ | MAIL | RECEIPT OR SIGNATURE CONFIRMATION |
| on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi | ace tract to cond han forty-five di tract that has fil- erals underlying Control Manua ich statement sh | luct any plat surveys ays prior to such ent ed a declaration pur such tract in the co I and the statutes an | Prior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days stry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams resuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any ounty tax records. The notice shall include a statement that copies of the state Eros nd rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to he secretary. |
| | eby provided to |): | |
| | CE OWNER(s) | | ☐ COAL OWNER OR LESSEE |
| Name: | | | Name: |
| Address: | | BECEIVE | Address: |
| N1. | | Office of Oil a | and Gas ————— |
| Name: | | | MINERAL OWNER(s) |
| Address: NOV 0 5 2019 | | | 77111 |
| | | | Will New York of the Market Head |
| | | 0 0 2 | |
| Name: | | | A delegate 2430 Meadous Ave. NW |
| Name: | | WV Departme | Address: 2430 Meadows Ave. NW Massilon, OH 44708 |
| Name:Address: Notice is her Pursuant to W a plat survey of | reby given: | WV Departme Environmental Pi de § 22-6A-10(a), n | Address: 2430 Meadows Ave. NW Massilon, OH 44708 |
| Name:Address: Notice is her Pursuant to W a plat survey of State: | reby given: est Virginia Co | WV Departmental Properties of the second sec | Address: 2430 Meadows Ave. NW Massilon, OH 44708 *please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to condu Approx. Latitude & Longitude: 39.792781, -80.508056 |
| Name:Address: Notice is her Pursuant to W a plat survey of State: County: | reby given: 'est Virginia Co on the tract of la West Virginia Marshall | WV Departme Environmental Pi de § 22-6A-10(a), n | Address: 2430 Meadows Ave. NW Massilon, OH 44708 *please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to condu Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 |
| Name:Address: Notice is her Pursuant to W a plat survey of State: County: District: | reby given: 'est Virginia Co on the tract of la West Virginia Marshall | WV Departme Environmental Pi de § 22-6A-10(a), n nd as follows: | Address: 2430 Meadows Ave. NW Massilon, OH 44708 *please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to condu Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 |
| Name: | reby given: Yest Virginia Coon the tract of la West Virginia Marshall Liberty Cameron state Erosion and ded from the Sec V 25304 (304- | WV Departmental Properties of the second sec | Address: 2430 Meadows Ave. NW Nent of Massilon, OH 44708 *please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.508058 Public Road Access: Grapevine Road CR 25/31 Watershed: Upper Fish Creek |
| Name: | reby given: Yest Virginia Coon the tract of la West Virginia Marshall Liberty Cameron state Erosion an led from the Sec V 25304 (304- the Secretary b | WV Departmental Programmental | Address: 2430 Meadows Ave. NW Massilon, OH 44708 *please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to condu Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 Watershed: Upper Fish Creek Generally used farm name: Charles Jamison of Manual and the statutes and rules related to oil and gas exploration and production Department of Environmental Protection headquarters, located at 601 57 th Street, SI as of such documents or additional information related to horizontal drilling may be |
| Name: | reby given: Yest Virginia Coon the tract of la West Virginia Marshall Liberty Cameron state Erosion and and from the Sector of the Secretary by the secre | WV Departmental Properties of the second sediment Control or retary, at the WV Department of the sediment Control or sediment | Address: 2430 Meadows Ave. NW Massilon, OH 44708 *please attach additional forms if necessary notice is hereby given that the undersigned well operator is planning entry to condu Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 Watershed: Upper Fish Creek Generally used farm name: Charles Jamison of Manual and the statutes and rules related to oil and gas exploration and production Department of Environmental Protection headquarters, located at 601 57th Street, SI so of such documents or additional information related to horizontal drilling may be p.wv.gov/oil-and-gas/pages/default.aspx. |
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Oil and Gas Privacy Notice:

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STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | e Requirement: | | 그 그는 그 가게 있는 것이 없는 것이 없었다면서 그들은 모든 것이 그리고 하는데 모든 것이 되었다면 하게 하는 것이다면 하는데 없다면 하는데 없다면 |
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| entry Date of No | tice: 4/18/2019 | Date of Plan | nned Entry: 4/25/2019 |
| Delivery m | ethod pursuant | to West Virginia Co | ode § 22-6A-10a |
| ☐ PERS | ONAL 🔳 | REGISTERED | ☐ METHOD OF DELIVERY THAT REQUIRES A |
| SERV | | MAIL | RECEIPT OR SIGNATURE CONFIRMATION |
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| on to the su but no more beneath suc owner of m and Sedime Secretary, v enable the s | rface tract to con than forty-five of the tract that has fi inerals underlyin nt Control Manu which statement s | duct any plat surveys days prior to such ent led a declaration pure g such tract in the cor al and the statutes an hall include contact in obtain copies from the | Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days try to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams suant to section thirty-six, article six, chapter twenty-two of this code; and (3) any nunty tax records. The notice shall include a statement that copies of the state Erosion of rules related to oil and gas exploration and production may be obtained from the information, including the address for a web page on the Secretary's web site, to be secretary. |
| | ACE OWNER(s) | | ☐ COAL OWNER OR LESSEE |
| | TCE O WIVER(3) | | Name: |
| Address- | | DECEM | |
| - Ludiess | | RECEIVE | D Address. |
| Name: | | Office of Oil a | and Gas |
| | | 176.7 | MINERAL OWNER(s) |
| _ | | NOV 052 | 019 Name: Darren Gosney |
| Name: | | | Address: 3333 Crist Rd |
| | | | |
| | | W/ Departm | ent of Springfield, OH 45502 |
| Address: _ | | W/ Departmental P | ent of Springfield, OH 45502 |
| | | W/ Departmi Environmental P | ent of Springfield, OH 45502 |
| Notice is he Pursuant to a plat survey | ereby given: West Virginia Co y on the tract of I West Virginia | Environmental P | ent of Springfield, OH 45502 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.608056 |
| Notice is he Pursuant to a plat survey State: | ereby given: West Virginia Co y on the tract of I West Virginia Marshall | Environmental P | ent of Springfield, OH 45502 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 |
| Notice is he Pursuant to a plat survey State: | ereby given: West Virginia Co y on the tract of I West Virginia Marshall Liberty | Environmental P | ent of Springfield, OH 45502 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 Watershed: Upper Fish Creek |
| Notice is he Pursuant to a plat survey State: | ereby given: West Virginia Co y on the tract of I West Virginia Marshall Liberty | Environmental P | ent of Springfield, OH 45502 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 |
| Notice is here and to a plat survey State: County: District: Quadrangle: Copies of the may be obtained fro | ereby given: West Virginia Co y on the tract of I West Virginia Marshall Liberty Cameron e state Erosion a ined from the Se WV 25304 (304 m the Secretary I ereby given by | environmental Pode § 22-6A-10(a), no and as follows: Ind Sediment Control cretary, at the WV D -926-0450). Copies by visiting www.dep. | # Please attach additional forms if necessary # Potential Technology of the conduct of th |
| Notice is he Pursuant to a plat survey State: County: District: Quadrangle: Copies of the may be obtained froubtained froutice is he well Operate | ereby given: West Virginia Coy on the tract of I West Virginia Marshall Liberty: Cameron e state Erosion a ined from the Se WV 25304 (304 m the Secretary lereby given by cor: SWN PRODUCT | environmental P ode § 22-6A-10(a), no and as follows: nd Sediment Control cretary, at the WV D -926-0450). Copies by visiting www,dep. | springfield, OH 45502 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to conduct Approx. Latitude & Longitude: 39.792781, -80.608056 Public Road Access: Grapevine Road CR 25/31 Watershed: Upper Fish Creek Generally used farm name: Charles Jamison Manual and the statutes and rules related to oil and gas exploration and production pepartment of Environmental Protection headquarters, located at 601 57th Street, SE, of such documents or additional information related to horizontal drilling may be .wv.gov/oil-and-gas/pages/default.aspx. Address: 1300 Fort Pierpont Dr., Suite 201 |
| Notice is here and to a plat survey State: County: District: Quadrangle: Copies of the may be obtained fro | ereby given: West Virginia Co y on the tract of I West Virginia Marshall Liberty Cameron e state Erosion a ined from the Se WV 25304 (304 m the Secretary I ereby given by | environmental P ode § 22-6A-10(a), no and as follows: and Sediment Control cretary, at the WV D -926-0450). Copies by visiting www.dep. | # Please attach additional forms if necessary # Potential Technology of the conduct of th |

Oil and Gas Privacy Notice:

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STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | e Kequirement: | Nonce shall be prov | ded at least SEVEN (7) d | ays but no more tha | an FORTY-FIVE (45) days prior to |
|---|---|--|--|--|---|
| | ice: 4/18/2019 | Date of Plan | ned Entry: 4/25/2019 | | |
| Delivery m | ethod pursuant | to West Virginia C | de § 22-6A-10a | | |
| ☐ PERSO | ONAL | REGISTERED | ☐ METHOD OF DE | LIVERY THAT RI | EOUIRES A |
| SERVI | CE | MAIL | RECEIPT OR SIG | | |
| on to the sur but no more beneath sucl owner of mi and Sedimer Secretary, we enable the su | face tract to con than forty-five on tract that has finerals underlying the Control Manushich statement surface owner to our | duct any plat surveys days prior to such ent led a declaration pur g such tract in the co al and the statutes an hall include contact in obtain copies from th | required pursuant to this a y to: (1) The surface owns uant to section thirty-six, a nty tax records. The notic rules related to oil and gan formation, including the | rticle. Such notice or of such tract; (2) article six, chapter to be shall include a st s exploration and p | r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams twenty-two of this code; and (3) any attement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to |
| | reby provided t | | П | | |
| The second second | CE OWNER(s) | | | L OWNER OR LE | |
| Name: | | | Name: | | |
| Address. | | BEOF | Address. | - | |
| Name- | | Office of Oil an | | | |
| Address: | | - mce or on an | Gas I MIN | ERAL OWNER(s) | |
| | | MOVERNO | Name: Ka | The state of the s | |
| Name: | | NOV 0 5 20 | | 11519 Domina ST | |
| Address: | | | Pichmond T | | |
| | | W/V Departmen | of *please attac | h additional forms if ne | ecessary |
| | | Environmental Pro | ection | | |
| Pursuant to V | ereby given: West Virginia Co on the tract of la West Virginia | ode § 22-6A-10(a), n | tice is hereby given that the | e undersigned wel | l operator is planning entry to conduct 39.792781,-80.608056 |
| County: | Marshall | | Public Road | Access: | Grapevine Road CR 25/31 |
| 200 C 100 C | Liberty | | 17,445,5115.15 | | Upper Fish Creek |
| Quadrangle: | Cameron | | Generally use | d farm name: | Charles Jamison |
| District: Quadrangle: Copies of the may be obtai Charleston, V obtained from | Cameron e state Erosion as ned from the Se WV 25304 (304 in the Secretary I | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u> | Watershed: Generally use Manual and the statutes an partment of Environments | d farm name: d rules related to o il Protection headqi ional information r | Upper Fish Creek |
| | ereby given by | | 4.115.00 | | |
| Well Operate | A 30 | TION COMPANY, LLC | Address: | 1300 Fort Pierpont Dr., | |
| Felephone: Email: | 304-884-1610 | | Facsimile: | Morgantown, WV 26508 304-884-1690 | 3 |
| | brittany woody@ | | | | |

Oil and Gas Privacy Notice:

| | | quirement: | riotice shall be pro- | ided at least a | SEVEN (7) day | s but no more than | n FORTY-FIVE (45) days prior to |
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| entry Date | of Notice: | 4/18/2019 | Date of Plan | nned Entry: | 4/25/2019 | | |
| Deliv | very method | l pursuant 1 | to West Virginia C | ode § 22-6A- | 10a | | |
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| on to but n bene- owner and S Secre enab | the surface to more than ath such trace or of minerals sediment Contary, which le the surface | tract to cond forty-five d t that has fil s underlying ntrol Manua statement sl e owner to o | duct any plat surveys lays prior to such ent led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the | s required pur try to: (1) The suant to secti- unty tax reco d rules relate information, i | suant to this and surface owner on thirty-six, ar rds. The notice d to oil and gas | ticle. Such notice s of such tract; (2) to ticle six, chapter to shall include a state exploration and pro- | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | ce is hereby | | 0; | | Попи | OHNED OF LE | CCCC |
| | SURFACE O | | | | | OWNER OR LE | |
| Nam | e: | | | - | Name: | | |
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| - 01 | 1 | | RECEIVE | | - | | |
| Nam | | | Office of Oil an | d Gas | MI MINIE | RAL OWNER(s) | |
| Addr | ess: | | | - | | | |
| Name | 7. | | NOV 0 5 20 | 1 9 | | ron Sue Tuersley | |
| | et | | 10.4.1070 | | Address: S | 3250 Stillwater Ave NW | |
| Addi | ress: | | W// Departme | nt of | A little a transport of the | additional forms if ne | cessary |
| - | - | | environmental Pri | | proase anner | radustronal tornib it no | oosaa y |
| Noti | ce is hereb | y given: | | | or given that th | a undersigned well | operator is planning entry to conduct |
| a pla | t survey on t | he tract of la | and as follows: | ionee is nere | | | 39.792781, -80.608056 |
| a pla State | t survey on t | he tract of la est Virginia | and as follows: | ionee is nere | Approx. Latit | ude & Longitude: | |
| a pla State Cour | t survey on t : We nty: Ma | he tract of la est Virginia ershall | and as follows: | | Approx. Latite Public Road A | ude & Longitude: | 39,792781, -80.608056 |
| a pla State Cour Distr | t survey on t : We nty: Ma rict: Lib | he tract of la est Virginia | and as follows: | | Approx. Latit | ude & Longitude: Access: | 39.792781, -80.608056 Grapevine Road CR 25/31 |
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| a pla State Cour Distr Quad Copi may Char obtai | t survey on t We ty: Ma ict: Lib drangle: Car tes of the stat be obtained cleston, WV ined from the ice is hereb | he tract of last Virginia rishall erty meron the Erosion at from the Se 25304 (304 e Secretary lay given by | and as follows: nd Sediment Contro ceretary, at the WV I 1-926-0450). Copies by visiting www.der | l Manual and Department of | Approx. Latite Public Road A Watershed: Generally use the statutes and Environmenta aments or additional-gas/pages/c | ude & Longitude: Access: d farm name: d rules related to o l Protection headq ional information r default.aspx. | 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be Suite 201 |

Oil and Gas Privacy Notice:

4709 0230

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | 1 | | Notice shall be prov | ided at | least SEVEN (7) da | ys but no more tha | n FORTY-FIVE (45) days prior to |
|--|--|--|---|--|---|---|--|
| Date | of Notice | 4/18/2019 | Date of Plan | ined E | ntry: 4/25/2019 | | |
| Deli | very meth | od pursuant t | to West Virginia Co | ode § 2 | 2-6A-10a | | |
| | PERSON. | AI. | REGISTERED | | METHOD OF DEL | IVERY THAT RE | EOUIRES A |
| | SERVICE | | MAIL | | RECEIPT OR SIGN | | |
| but not bene bene bene bene bwne and S Secre enab | the surfactor more that ath such treer of miner Sediment (etary, which le the surface | te tract to cond an forty-five de act that has fil- als underlying Control Manua th statement shace owner to o | fuct any plat surveys ays prior to such ent ed a declaration pur- g such tract in the co all and the statutes an hall include contact in btain copies from th | require ry to: (suant to unty tax d rules nforma | ed pursuant to this ar 1) The surface owner section thirty-six, are c records. The notice related to oil and gas tion, including the ac- | ticle. Such notice s of such tract; (2) tricle six, chapter to e shall include a state exploration and p | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | | y provided to E OWNER(s) |): | | П сом | OWNER OR LE | SSEE |
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| Nam | e: | | RECEIVE |) | Name: | | |
| Addı | ress: | | Office of Oil an | | Address: | | |
| Vam | e: | | | | 2.2.2.2 | | |
| | | | NOV 05 20 | 19 | II MINE | ERAL OWNER(s) | |
| | | | | | Name: Gar | y Fletcher | |
| Vam | e: | | WV Departme | est of | Address | 381 Jim Corbin Rd | |
| Addı | ess: | | Environmental Pr | TIL OI | Franklin, NC 2 | | |
| | | | Environmental FI | otectio | *please attack | h additional forms if ne | ecessary |
| Pursi a pla State Cour Distr | uant to We t survey or : nty: | 1 the tract of la West Virginia Marshall Liberty | ode § 22-6A-10(a), n and as follows: | otice is | | ude & Longitude: Access: | l operator is planning entry to conduct 39,792781,-80.608056 Grapevine Road CR 25/31 Upper Fish Creek Charles Jamison |
| Quad | irangle: | Cameron | | | _ Generally use | d laim name. | Original defination |
| nay Char obtai | be obtaine leston, Wi ined from t | d from the Sec 25304 (304) the Secretary by eby given by | cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u> | epartm of such | ent of Environmenta | l Protection headq ional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be Suite 201 |
| Well | | The second secon | | | | | |
| | | 304-884-1610 | | | | Morgantown, WV 26508 | В |
| | phone: | 304-864-1610 brittany woody@ | Deug com | | Facsimile: | Morgantown, WV 26500 304-884-1690 | В |

Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| entry | | ided at least SEVEN (7) days but no more than FORTY-FIVE (45) days pri | |
|---|---|---|--|
| Date of Notice: | 4/18/2019 Date of Plan | aned Entry: 4/25/2019 | |
| Date of Notice. | Date of Flat | med Entry. | |
| Delivery metho | od pursuant to West Virginia Co | ode § 22-6A-10a | |
| ☐ PERSONA | AL REGISTERED | ☐ METHOD OF DELIVERY THAT REQUIRES A | |
| SERVICE | | RECEIPT OR SIGNATURE CONFIRMATION | |
| on to the surfac but no more that beneath such tra owner of miner and Sediment C Secretary, whice | e tract to conduct any plat surveys in forty-five days prior to such ent act that has filed a declaration pur- als underlying such tract in the co- control Manual and the statutes an | rior to filing a permit application, the operator shall provide notice of planne required pursuant to this article. Such notice shall be provided at least seven ry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal suant to section thirty-six, article six, chapter twenty-two of this code; and (3 unty tax records. The notice shall include a statement that copies of the state d rules related to oil and gas exploration and production may be obtained fron formation, including the address for a web page on the Secretary's web site e secretary. | days seams) any Erosion m the |
| Notice is hereb | y provided to: | | |
| ☐ SURFACE | OWNER(s) | ☐ COAL OWNER OR LESSEE | |
| Name: | | Name: | |
| Address: | RECEIVED Office of Oil and | Address: | |
| Name: | | | |
| Address: | NOV 0.5 2019 | MINERAL OWNER(s) | |
| | 110.1000.2011 | Name: Qennis Gosney | |
| Name: | W Department | Address: 914 W. Dorothy Ln | |
| | | | |
| Address: | Sylronmental Protection | Dayton, OH 45409 | |
| Address: | Savironmental Prof | | |
| Notice is here Pursuant to We a plat survey on State: County: | - Savironmental From | Dayton, OH 45409 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to Approx. Latitude & Longitude: 39.79278180.608056 Public Road Access: Granging Road CR 25/31 | conduct |
| Notice is here Pursuant to We a plat survey on State: County: District: Quadrangle: Copies of the st may be obtaine Charleston, Wy obtained from t Notice is here Well Operator: | by given: st Virginia Code § 22-6A-10(a), n the tract of land as follows: Nest Virginia Alarshall Liberty Cameron ate Erosion and Sediment Control of from the Secretary, at the WV D 7 25304 (304-926-0450). Copies the Secretary by visiting www.dep | Dayton, OH 45409 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to a Approx. Latitude & Longitude: Approx. Latitude & Longitude: Public Road Access: Grapevine Road CR 25/31 Upper Fish Creek Generally used farm name: Charles Jamison Manual and the statutes and rules related to oil and gas exploration and produce partment of Environmental Protection headquarters, located at 601 57th Street of such documents or additional information related to horizontal drilling manual environmental pages/default.aspx. Address: 1300 Fort Pierpont Dr., Suite 201 | luction eet, SE, |
| Notice is here Pursuant to We a plat survey on State: County: District: Quadrangle: Copies of the st may be obtaine Charleston, Wo obtained from t | by given: st Virginia Code § 22-6A-10(a), not the tract of land as follows: West Virginia Marshall Liberty Cameron ate Erosion and Sediment Control of from the Secretary, at the WV EV 25304 (304-926-0450). Copies the Secretary by visiting www.dep | Dayton, OH 45409 *please attach additional forms if necessary otice is hereby given that the undersigned well operator is planning entry to a Approx. Latitude & Longitude: Approx. Latitude & Longitude: Public Road Access: Watershed: Generally used farm name: Manual and the statutes and rules related to oil and gas exploration and production of such documents or additional information related to horizontal drilling many. We solved the statute of the statute of additional information related to horizontal drilling many. We solved the statute of the statute of additional information related to horizontal drilling many. We solved the statute of the statute of additional information related to horizontal drilling many. | luction eet, SE, |

Oil and Gas Privacy Notice:

Operator Well No. Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | | equirement: | Notice shall be prov | d at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to |
|--|---|---|--|--|
| Date | of Notice | 4/18/2019 | Date of Plan | d Entry: 4/25/2019 |
| | | | | |
| Den | very metho | ou pursuant | to West Virginia C | § 22-0A-10a |
| | PERSONA | AL 🔳 | REGISTERED | ☐ METHOD OF DELIVERY THAT REQUIRES A |
| | SERVICE | | MAIL | RECEIPT OR SIGNATURE CONFIRMATION |
| on to but n bene- owne- and S Secre enable | the surface to more that ath such tracer of miners Sediment Contact, which tary, which the surface | e tract to cond in forty-five d act that has fil als underlying Control Manua h statement sl ice owner to o | duct any plat surveys ays prior to such end led a declaration pur- g such tract in the co all and the statutes and hall include contact obtain copies from the | r to filing a permit application, the operator shall provide notice of planned entry quired pursuant to this article. Such notice shall be provided at least seven days to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams int to section thirty-six, article six, chapter twenty-two of this code; and (3) any y tax records. The notice shall include a statement that copies of the state Erosion ales related to oil and gas exploration and production may be obtained from the formation, including the address for a web page on the Secretary's web site, to excretary. |
| | | y provided to | 0; | ☐ COAL OWNER OR LESSEE |
| | | OWNER(s) | | |
| Nam | e: | | | Name:Address: |
| Addr | ess: | | | Address. |
| Nam | e: | | RECEIVED | |
| Addr | ess: | | Office of Oil and | MINERAL OWNER(s) |
| Luui | U33. | | | Name: David Shayne Fromhart |
| Nam | e: | | NOV 0.5 2019 | Address: 10052 Bedford Rd |
| Addr | ess: | | O IN LUIL | Spring Hill, HL 34608 |
| | - | | WAY Department | *please attach additional forms if necessary |
| _ | | | - unmental Prot | A Second Control of the Control of Control o |
| Pursi | ant to We | eby given: st Virginia Co | | on ce is hereby given that the undersigned well operator is planning entry to conduct |
| State | | West Virginia | | Approx. Latitude & Longitude: 39.792781, -80.608056 |
| Cour | ity: 1 | Marshali | | Public Road Access: Grapevine Road CR 25/31 |
| Distr | ict: 1 | iberty | | Watershed: Upper Fish Creek |
| Quad | Quadrangle: Cameron Gene | | | Generally used farm name: Charles Jamison |
| may Char | be obtained leston, WV | d from the Se / 25304 (304 he Secretary l | cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u> | anual and the statutes and rules related to oil and gas exploration and production artment of Environmental Protection headquarters, located at 601 57 th Street, SE, such documents or additional information related to horizontal drilling may be v.gov/oil-and-gas/pages/default.aspx. |
| Noti Well | Operator: | | TION COMPANY, LLC | Address: 1300 Fon Pierpont Dr., Suite 201 |
| Noti Well | Operator: phone: | | | Address: 1300 Fon Pierpont Dr., Suite 201 Morgantown, WV 28508 Facsimile: 304-884-1890 |

Oil and Gas Privacy Notice:

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time I entry | Requirement: | Notice shall be prov | vided at least SEVEN (7) day | s but no more than | FORTY-F | IVE (45) days prior to | | |
|---|--|---|--|--|--|--|--|--|
| Date of Notice | e: 4/18/2019 | Date of Pla | nned Entry: 4/25/2019 | | | | | |
| Delivery metl | od pursuant t | o West Virginia C | ode § 22-6A-10a | | | | | |
| ☐ PERSON | IAL B | REGISTERED | ☐ METHOD OF DEL | IVERY THAT RE | QUIRES A | | | |
| SERVICE | ince and | MAIL | RECEIPT OR SIGN | | | | | |
| on to the surfa but no more th beneath such t owner of mine and Sediment Secretary, whi enable the surfa- | ce tract to cond an forty-five di- ract that has fil- rals underlying Control Manua ch statement shace owner to o | luct any plat survey ays prior to such en ed a declaration pur such tract in the co al and the statutes ar hall include contact btain copies from the | Prior to filing a permit applic is required pursuant to this are try to: (1) The surface owner suant to section thirty-six, are ounty tax records. The notice and rules related to oil and gas information, including the ac- ne secretary. | ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pr | hall be prove any owner wenty-two o tement that roduction ma | ided at least seven days or lessee of coal seams of this code; and (3) any copies of the state Erosion ay be obtained from the | | |
| Notice is here | by provided to |): | 1 | | | | | |
| ☐ SURFAC | E OWNER(s) | | | OWNER OR LES | SSEE | | | |
| Name: | 7 7 7 7 7 7 7 7 7 7 | | Name: | | | | | |
| Address: | | | Address. | | | | | |
| Name: Address: | | | ■ MINE | ERAL OWNER(s) | | | | |
| | | | Name: Min | Name; Mindy Cardinal, Vk/a Mindy Marie Zufra | | | | |
| Name: | | | | Address: 10403 Red Rose Dr Wadsworth, OH 44281 | | | | |
| Address: | | | | *please attach additional forms if necessary | | | | |
| a plat survey of State: County: | est Virginia Co on the tract of la West Virginia Marshall | and as follows: | Public Road A | ude & Longitude: | operator is 39.792781, -80 Grapevine Roa Upper Fish Cre | .608056 nd CR 25/31 | | |
| District: Quadrangle: | mot. | | d farm name: | Charles Jamiso | | | | |
| Copies of the may be obtain Charleston, W obtained from | state Erosion as ed from the Se V 25304 (304 | cretary, at the WV I -926-0450). Copies by visiting <u>www.de</u> | ol Manual and the statutes an Department of Environmenta s of such documents or addit p.wv.gov/oil-and-gas/pages/o | I Protection headquional information re | larters, loca | ted at 601 5/ Street, 5E, | | |
| Well Operator | | TION COMPANY, LLC | Address: | 1300 Fort Pierpont Dr., | Suite 201 | NOV n | | |
| Telephone: | 304-884-1610 | | | Morgantown, WV 26508 | | U 5 2019 | | |
| Email: | britteny_woody@ | gswn.com | Facsimile: | 304-884-1690 | | 189. | | |
| Oil and Gas | Privacy Not | ice: | | | -1 | Settment of | | |

| Notice Time Reentry Date of Notice: | | | | least SEVEN (7) da ntry: 4/25/2019 | ys but no more tha | n FORTY-F | IVE (45) days prior to | | |
|--|---|---|--|---|--|---|--|--|--|
| Delivery metho | d pursuant t | to West Virginia C | | | | | | | |
| ☐ PERSONA | ı 🔳 | REGISTERED | П | METHOD OF DEI | IVERY THAT RE | OURES A | | | |
| SERVICE | | MAIL | | RECEIPT OR SIGN | | | | | |
| on to the surface but no more than beneath such tra- owner of minera and Sediment Co Secretary, which | tract to cond in forty-five di ct that has fil- ils underlying ontrol Manua i statement sh | luct any plat survey, ays prior to such en- ed a declaration pur such tract in the co I and the statutes an | s require try to: (suant to ounty ta: ad rules informa | ed pursuant to this and all the surface owner to section thirty-six, as a records. The notice related to oil and gastition, including the a | rticle. Such notice s r of such tract; (2) tricle six, chapter to e shall include a sta s exploration and p | shall be provided any owner wenty-two of atement that croduction may | e notice of planned entry ded at least seven days or lessee of coal seams (this code; and (3) any opies of the state Erosion y be obtained from the cretary's web site, to | | |
| Notice is hereby | y provided to |): | | | | | | | |
| ☐ SURFACE | OWNER(s) | | | | LOWNER OR LE | | | | |
| | | | | Name: | | | | | |
| Address: | | | - | Address: | Name: | | | | |
| Name: | | | -6 | ■ MINI | ERAL OWNER(s) | | | | |
| | | | | 1 | hael Cunningham | | | | |
| Name: | | | - | Address: | Address: 3 Hemlock Dr | | | | |
| Address: | | | - | Canton, MA 02021 *please attach additional forms if necessary | | | | | |
| a plat survey on State: W. County: M. District: Li | t Virginia Co the tract of la lest Virginia larshall | de § 22-6A-10(a), r and as follows: | | Approx. Latit Public Road A Watershed: | ude & Longitude; | operator is p 39.792781, -80.6 Grapevine Road Upper Fish Cree Charles Jamison | CR 25/31 k | | |
| Copies of the sta | ite Erosion an | nd Sediment Contro | l Manua | al and the statutes an | d rules related to o | il and gas exp | loration and production | | |
| Charleston, WV obtained from th | 25304 (304- ie Secretary b | -926-0450). Copies by visiting <u>www.dep</u> | of such | ent of Environmenta documents or addit v/oil-and-gas/pages/u | ional information r | uarters, locate elated to hori: | ed at 601 57th Street, SE, zontal drilling may be Office of Oil and Gar | | |
| Notice is herel | | | | Address: | 1300 Fort Pierpont Dr., | Suita 201 | Mo. and Ga | | |
| Well Operator: Telephone: | 304-884-1610 | ION COMPANY, LLC | | Addiess. | Morgantown, WV 26508 | | 05 200 | | |
| Email: | brittany woody@ | swo com | | Facsimile: | 304-884-1690 | | 1470 | | |
| | D. HELLY_WORKLY | 2000000 | | ======================================= | | -7 | noamment of | | |
| Oil and Gas P | rivacy Noti | ce: | | | | | Oarment of | | |

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time entry Date of Notic | | | nned Entry: 4/25/2019 | ys but no more tha | n FORTY-FIVE (45) days prior to | | | |
|---|--|---|---|---|---|--|--|--|
| Delivery met | hod pursuant t | o West Virginia C | ode § 22-6A-10a | | | | | |
| ☐ PERSO | VAI. | REGISTERED | ☐ METHOD OF DEL | IVERY THAT RE | EOUIRES A | | | |
| SERVIC | | MAIL | RECEIPT OR SIGN | | | | | |
| on to the surfa- but no more to beneath such owner of min- and Sediment Secretary, who | ace tract to cond han forty-five di tract that has fil erals underlying Control Manua ich statement sh | luct any plat survey ays prior to such en ed a declaration pur such tract in the co I and the statutes ar | s required pursuant to this as try to: (1) The surface ownersuant to section thirty-six, a county tax records. The notice and rules related to oil and gas information, including the a | ticle. Such notice s r of such tract; (2) rticle six, chapter t e shall include a sta s exploration and p | r shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion production may be obtained from the age on the Secretary's web site, to | | | |
| lotice is here | eby provided to |): | | | | | | |
| SURFAC | E OWNER(s) | | □ сод | LOWNER OR LE | SSEE | | | |
| | Action to the second se | | | | | | | |
| Address: | | | Address: | | | | | |
| iddress. | | | | | | | | |
| lame: | | | | | | | | |
| ddress: | | | ■ MINI | ERAL OWNER(s) | | | | |
| | | | Name: Bar | Name: Barbara Jean Bruhn | | | | |
| • | | | | Address: 527 21st St. NW | | | | |
| ddress: | | | Canton, OH 4 | Canton, OH 44718 | | | | |
| | | | *please attac | h additional forms if ne | pcessary | | | |
| Notice is he Pursuant to W a plat survey State: County: | Vest Virginia Co | de § 22-6A-10(a), i and as follows: | Approx. Latit | ude & Longitude: | l operator is planning entry to conduct 39.792781, -80.608056 Grapevine Road CR 25/31 | | | |
| District: | Liberty | | Watershed: | | Upper Fish Creek | | | |
| Quadrangle: | Cameron | | Generally use | d farm name: | Charles Jamison | | | |
| may be obtain Charleston, Wobtained from Notice is he Well Operato | ned from the Sec VV 25304 (304) the Secretary by reby given by | cretary, at the WV I -926-0450). Copies by visiting <u>www.de</u> p | Department of Environmenta | Il Protection headq ional information r default.aspx. 1300 Fort Pierpont Dr. | 0 40 | | | |
| Telephone: | 304-884-1610 | | | Morgantown, WV 2650 | 8 Ship of | | | |
| Email: | brittany_woody@ |]swn.com | Facsimile: | 304-884-1690 | 100 Do 3010 | | | |
| | | | | | "non anth | | | |
| W. W. W. W. | Privacy Noti | 15.40 | | | 101 10 | | | |

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | Requirement: | Notice shall be prov | ded at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to |
|---|---|--|--|
| entry Date of Notic | ce: 4/18/2019 | Date of Plan | ned Entry: 4/25/2019 |
| Delivery met | thod pursuant | to West Virginia Co | de § 22-6A-10a |
| ☐ PERSO | NAL I | REGISTERED | ☐ METHOD OF DELIVERY THAT REQUIRES A |
| SERVIC | 14,500 | MAIL | RECEIPT OR SIGNATURE CONFIRMATION |
| on to the surf but no more to beneath such owner of min and Sediment Secretary, whenable the sur | ace tract to con- han forty-five of tract that has fi- erals underlying Control Manu- lich statement sufface owner to con- | duct any plat surveys lays prior to such ent led a declaration pur- g such tract in the co al and the statutes an hall include contact in obtain copies from the | ior to filing a permit application, the operator shall provide notice of planned entry required pursuant to this article. Such notice shall be provided at least seven days y to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams that to section thirty-six, article six, chapter twenty-two of this code; and (3) any noty tax records. The notice shall include a statement that copies of the state Erosion rules related to oil and gas exploration and production may be obtained from the aformation, including the address for a web page on the Secretary's web site, to secretary. |
| | eby provided t CE OWNER(s) | | ☐ COAL OWNER OR LESSEE |
| | LE OWNER(S) | | Name: |
| Name: Address: | | Offic RECEIVE | Address: |
| Address. | | Office of Oil an | |
| Name: | | Alo | Gas |
| Address: | | NUV 05 200 | MINERAL OWNER(s) |
| | | 0 201. | Name: Rlack Gold Group, LTD |
| Name: | | WIDen | Address: PO Box 85 |
| Address: | | WV Deperament | Stratsburg, OH 44680 |
| | | Environmental Prole | *please attach additional forms if necessary |
| a plat survey | Vest Virginia Con the tract of I | ode § 22-6A-10(a), n and as follows: | Approx. Latitude & Longitude: 39.792781, -80.608056 |
| State: | West Virginia | | Public Road Access: Grapevine Road CR 25/31 |
| County: District: | Marshall Liberty | | Watershed: Upper Fish Creek |
| Quadrangle: | Cameron | | Generally used farm name: Charles Jamison |
| may be obtain Charleston, Vobtained from | ned from the Se VV 25304 (304 In the Secretary Pereby given by | ecretary, at the WV I 1-926-0450). Copies by visiting <u>www.der</u> | Manual and the statutes and rules related to oil and gas exploration and production epartment of Environmental Protection headquarters, located at 601 57 th Street, SE, of such documents or additional information related to horizontal drilling may be www.gov/oil-and-gas/pages/default.aspx . Address: 1300 Fort Pierpont Dr., Suite 201 |
| Telephone: | 304-884-1610 | | Morgantown, WV 26508 |
| Email: | brittany_woody | @swn.com | Facsimile: 304-884-1690 |
| | | | |

Oil and Gas Privacy Notice:

ATAS OFFER Operator Well No. Charles Jamison MSH

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time R entry | equirement: | Notice shall be prov | ded at least SEVEN (7) day | ys but no more that | n FORTY-FIVE (45) days prior to |
|---|--|--|--|---|--|
| Date of Notice | 4/18/2019 | Date of Plan | ned Entry: 4/25/2019 | | |
| Delivery meth | od pursuant | to West Virginia Co | de § 22-6A-10a | | |
| ☐ PERSON. | AL I | REGISTERED | ☐ METHOD OF DEL | IVERY THAT RE | EOUIRES A |
| SERVICE | | MAIL | RECEIPT OR SIGN | | |
| on to the surface but no more that beneath such trowner of miner and Sediment C Secretary, whice enable the surface | e tract to cond in forty-five d act that has fil als underlying Control Manua h statement slace owner to co | duct any plat surveys lays prior to such ent led a declaration pur- g such tract in the co al and the statutes an hall include contact in obtain copies from the | required pursuant to this are to to: (1) The surface owner to section thirty-six, as unty tax records. The notice of rules related to oil and gas aformation, including the actions. | ticle. Such notice s of such tract; (2) the ticle six, chapter the shall include a state exploration and pro- | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| Notice is hereb | | | Поси | OND IED ON LE | corr |
| ☐ SURFACE | | | | OWNER OR LE | |
| Name: | | 10-10- | Name: | | |
| Address: | | RECEIVED | Address: | | |
| V. | | Office of Oil and | Gas | | |
| Name: | | | I MINE | RAL OWNER(s) | |
| Address: | ₩. | NOV 0 5 201 | | | |
| Name: | | 1101 00 201 | Ivalic, | 5372 Marshallville St. NV | V |
| Address: | | W/ Denartmen | | | |
| | | Environmental Pro | # 111 m 1487 / | h additional forms if ne | cessary |
| a plat survey or State: County: | st Virginia Co n the tract of la West Virginia Marshall | ode § 22-6A-10(a), n and as follows: | Approx. Latit | ude & Longitude: | 39.792781, -80.608056 Grapevine Road CR 25/31 Upper Fish Creek |
| | Liberty | | Generally use | d form nome: | Charles Jamison |
| Quadrangle: | Cameron | | Generally use | d farm name. | Charles Jamison |
| may be obtained | d from the Se 25304 (304 the Secretary | cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u> | epartment of Environmenta | l Protection headq ional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, related to horizontal drilling may be |
| Notice is her | eby given by | Y - | | | |
| Notice is her Well Operator: | | TION COMPANY, LLC | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| | | | Address: | 1300 Fort Pierpont Dr., Morgantown, WV 26500 | |

Oil and Gas Privacy Notice:

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STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | | | 3 (200 a) | | | |
|---|---|--|---|--|--|---|
| Delivery me | thod pursuant | to West Virginia C | de § 22-6A-10a | | | |
| PERSO | NAL I | REGISTERED | ☐ METHOD OF DEL | IVERY THAT RE | QUIRES A | |
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| n to the surf ut no more eneath such wner of mir nd Sedimen ecretary, wh nable the su | face tract to cond than forty-five do tract that has filerals underlying t Control Manua nich statement si rface owner to co | duct any plat survey: lays prior to such end led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the | rior to filing a permit applic a required pursuant to this are ry to: (1) The surface owner suant to section thirty-six, as unty tax records. The notice of rules related to oil and gas information, including the are secretary. | ticle. Such notice s r of such tract; (2) to rticle six, chapter to e shall include a sta s exploration and pr | hall be pro o any own venty-two tement that oduction r | vided at least seven days er or lessee of coal seams of this code; and (3) any t copies of the state Erosion may be obtained from the |
| otice is her | eby provided t | 0: | | | | |
| ☐ SURFA | CE OWNER(s) | | ☐ COA | LOWNER OR LES | SSEE | |
| | | | Name: | | | |
| ddress: | | | Address: | | | |
| | | | | | | |
| ddress: | | | ■ MINI | ERAL OWNER(s) | | |
| | | | Name's Cha | rles J. Bruhn | | |
| lame: | | | Address; | rles J. Bruhn 6692 Hampton Dr. | | |
| ddress: | | | San Jose, CA | 95120 h additional forms if nec | - F | |
| ursuant to V | ereby given: Vest Virginia Co on the tract of l | ode § 22-6A-10(a), r and as follows: | ofice is hereby given that th | | | |
| tate: | West Virginia | | | ude & Longitude: | 39.792781, - | |
| ounty: | | | 244 | Access: | | oad CR 25/31 |
| istrict: | | | Watershed: Generally use | d Comm months | Upper Fish C Charles Jami | |
| Quadrangle: Copies of the | ned from the Se WV 25304 (304 | cretary, at the WV I -926-0450). Copies | Manual and the statutes an Department of Environments of such documents or addit | d rules related to oi Il Protection headquional information re | l and gas e | xploration and production ated at 601 57th Street, SE, |
| Charleston, V | n the Secretary | | | | | |
| harleston, \ btained from | | | | | | |
| Charleston, Voltained from | ereby given by | y: | Address | 1200 End Pierrant De 1 | Suite 201 | RECEIVED Office of Oil and Gas |
| Charleston, Voltained from | ereby given by | | Address: | 1300 Fort Pierpont Dr., S Morgantown, WV 26508 | | |

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as partiofiour 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

| | | Requirement: | Notice shall be prov | rided at | least SEVEN (7) day | ys but no more than | FORTY-FI | VE (45) days prior to |
|---|--|--|---|---|---|---|--|--|
| Date | | e: 4/18/2019 | Date of Pla | nned E | ntry: 4/25/2019 | | | |
| | | 1 | | | | | | |
| Deli | very met | nod pursuant | to West Virginia C | ode § 2 | 2-6A-10a | | | |
| | PERSON | IAL 🔳 | REGISTERED | | METHOD OF DEL | IVERY THAT RE | QUIRES A | |
| | SERVIC | E | MAIL | | RECEIPT OR SIGN | IATURE CONFIRI | MATION | |
| on to but in bene- own and Secretary | o the surfa- no more the eath such the of mine Sediment retary, while the surface | ce tract to cond an forty-five d ract that has fil rals underlying Control Manua ich statement sl face owner to co | duct any plat survey ays prior to such en led a declaration pur g such tract in the coal and the statutes are hall include contact obtain copies from the | s requir try to: (suant to ounty ta d rules informa | red pursuant to this ar 1) The surface owner to section thirty-six, and ax records. The notice related to oil and gas ation, including the ac- | ticle. Such notice singles of such tract; (2) to ticle six, chapter to a shall include a state exploration and pr | hall be provided any owner of venty-two of tement that conduction may | notice of planned entry led at least seven days or lessee of coal seams this code; and (3) any opies of the state Erosion be obtained from the retary's web site, to |
| Not | ice is here | by provided to | 0: | | | | | |
| | SURFAC | E OWNER(s) | | | | LOWNER OR LES | | |
| Nan | ne: | | | 2) | Name: | | | |
| Add | ress: | | | - | Address: | | | |
| Nan | ne: | | | | [m] | | | |
| Add | ress: | | | - | | ERAL OWNER(s) | | |
| >T | | | | _ | Name: Ann | e Marie Strebel 149 Briar Ridge Dr | | |
| Nan | ne: | | | - | San Jose, VA | | | |
| Aud | 11033. | | | _ | | h additional forms if neo | essary | |
| Purs a pla Stat Cou Dist | suant to W at survey o e: onty: trict: | on the tract of l West Virginia | ode § 22-6A-10(a), and as follows: | | Approx. Latit Public Road A Watershed: | ude & Longitude: Access: | 39,792781, -80.6 Grapevine Road Upper Fish Creek | CR 25/31 |
| Qua | drangle: | Cameron | | | Generally use | d farm name: | Charles Jamison | |
| may | be obtain | ed from the Se | cretary, at the WV 1 -926-0450). Copies | Departr s of suc | nent of Environments | al Protection headquional information re | iarters, locate | loration and production and at 601 57 th Street, SE, zontal drilling may be |
| No | tice is he | reby given by | v: | | | | | Uffice of Oil and Gas |
| | Il Operato | | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 | |
| | ephone: | 304-884-1610 | | | | Morgantown, WV 26508 | | OV 0 5 2019 |
| Em | | brittany_woody@ | @swn.com | | Facsimile: | 304-884-1690 | | |
| | | | | | | | | *** Papartment of |
| Oil | and Gas | Privacy Not | tice: | | | a salinara dana | | untal Protecuor |

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A3 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| | A-10a ETHOD OF DELIVERY THAT RE CEIPT OR SIGNATURE CONFIR g a permit application, the operator sursuant to this article. Such notice s the surface owner of such tract; (2) to ction thirty-six, article six, chapter to cords. The notice shall include a sta ted to oil and gas exploration and po the including the address for a web pa | MATION shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
|--|---|---|
| Personal SERVICE MAIL RE Pursuant to West Virginia Code § 22-6A-10(a), Prior to filir on to the surface tract to conduct any plat surveys required p but no more than forty-five days prior to such entry to: (1) T beneath such tract that has filed a declaration pursuant to secowner of minerals underlying such tract in the county tax re and Sediment Control Manual and the statutes and rules rela Secretary, which statement shall include contact information | ETHOD OF DELIVERY THAT RE CEIPT OR SIGNATURE CONFIR ag a permit application, the operator pursuant to this article. Such notice siche surface owner of such tract; (2) to exion thirty-six, article six, chapter to cords. The notice shall include a stated to oil and gas exploration and property in the cords of the surface | MATION shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| SERVICE MAIL RE Pursuant to West Virginia Code § 22-6A-10(a), Prior to filir on to the surface tract to conduct any plat surveys required p but no more than forty-five days prior to such entry to: (1) The beneath such tract that has filed a declaration pursuant to see bowner of minerals underlying such tract in the county tax re and Sediment Control Manual and the statutes and rules rela Secretary, which statement shall include contact information | CEIPT OR SIGNATURE CONFIR og a permit application, the operator oursuant to this article. Such notice s the surface owner of such tract; (2) to tion thirty-six, article six, chapter to cords. The notice shall include a sta ted to oil and gas exploration and pro- in, including the address for a web paragraph. | MATION shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| SERVICE MAIL RE Pursuant to West Virginia Code § 22-6A-10(a), Prior to filir on to the surface tract to conduct any plat surveys required p but no more than forty-five days prior to such entry to: (1) The beneath such tract that has filed a declaration pursuant to see bowner of minerals underlying such tract in the county tax re and Sediment Control Manual and the statutes and rules rela Secretary, which statement shall include contact information | CEIPT OR SIGNATURE CONFIR og a permit application, the operator oursuant to this article. Such notice s the surface owner of such tract; (2) to tion thirty-six, article six, chapter to cords. The notice shall include a sta ted to oil and gas exploration and pro- in, including the address for a web paragraph. | MATION shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| Pursuant to West Virginia Code § 22-6A-10(a), Prior to filir on to the surface tract to conduct any plat surveys required pout no more than forty-five days prior to such entry to: (1) The beneath such tract that has filed a declaration pursuant to secowner of minerals underlying such tract in the county tax reand Sediment Control Manual and the statutes and rules relassed secretary, which statement shall include contact information | ng a permit application, the operator pursuant to this article. Such notice is the surface owner of such tract; (2) to the thirty-six, article six, chapter to cords. The notice shall include a stated to oil and gas exploration and properties in the cords of the address for a web particle. | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any attement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | ☐ COAL OWNER OR LE | |
| Notice is hereby provided to: | L COAL OWNER OR EL | CCEE |
| SURFACE OWNER(s) | Nomar | |
| Name: | Name:Address: | |
| Address: HECEIVED | Address. | |
| 111/20 | (| |
| Name: Office of Oil and Gas | MINERAL OWNER(s) | |
| Address:NOV 0.5 2010 | Name: Kelly Thomason | |
| 102 9 17 7 11 19 | Address: 287 Wilber Dr. NE Apt. 2 | |
| Name: | North Canton, OH 44720 | |
| Address: W/ Department of | *please attach additional forms if ne | cessarv |
| Environmental Fralection | prease angen additional torns it to | o const |
| Notice is hereby given: Pursuant to West Virginia Code § 22-6A-10(a), notice is he a plat survey on the tract of land as follows: | | |
| State: West Virginia | Approx. Latitude & Longitude: | 39,792781, -80.608056 |
| County: Marshall | Public Road Access: | Grapevine Road CR 25/31 |
| District: Liberty | Watershed: | Upper Fish Creek |
| Quadrangle: Cameron | Generally used farm name: | Charles Jamison |
| Copies of the state Erosion and Sediment Control Manual a may be obtained from the Secretary, at the WV Department Charleston, WV 25304 (304-926-0450). Copies of such do obtained from the Secretary by visiting www.dep.wv.gov/obtained | of Environmental Protection headq cuments or additional information i | uarters, located at out 37 Succe, 5E, |
| Notice is hereby given by: | | |
| Well Operator: SWN PRODUCTION COMPANY, LLC | Address: 1300 Fort Pierpont Dr., | Suite 201 |
| Telephone: 304-884-1610 | Morgantown, WV 2650 | В |
| Email: brittany_woody@swn.com | Facsimile: 304-884-1690 | |
| The state of the s | - | |

Oil and Gas Privacy Notice:

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WW-6A3 (1/12) Operator Well No. Charles Jamison MSH

05 0:000

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

| Notice Time entry | Requirement: | Notice shall be prov | ided at least | SEVEN (7) da | ys but no more that | n FORTY-FIVE (45) days prior to |
|--|--|--|--|---|--|--|
| Date of Notic | ce: 4/18/2019 | Date of Plan | ned Entry: | 4/25/2019 | | |
| Delivery met | thod pursuant | to West Virginia Co | ode § 22-6A- | 10a | | |
| ☐ PERSO | NAL E | REGISTERED | □ мет | HOD OF DEL | IVERY THAT RE | COUIRES A |
| SERVIC | 5,100 | MAIL | | | ATURE CONFIR | |
| on to the surfi- but no more to beneath such owner of min- and Sediment Secretary, when able the sur- | ace tract to conc han forty-five d tract that has fil erals underlying Control Manua ich statement st face owner to co | duct any plat surveys lays prior to such ent led a declaration purs g such tract in the cou al and the statutes and hall include contact in obtain copies from the | required pur ry to: (1) The suant to secti unty tax reco d rules relate nformation, | suant to this are surface owner on thirty-six, are rds. The notice d to oil and gas | ticle. Such notice s r of such tract; (2) to rticle six, chapter to e shall include a state e exploration and pro- | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | eby provided t | | | | | |
| | CE OWNER(s) | | | | LOWNER OR LE | |
| Name: | | | | | | |
| Address: | | | | Address: | | |
| | | Office of C | FN | - | | |
| Name: | | Office of Oil a | חול כ- | □ von | ERAL OWNER(s) | |
| Address: | | NOV a - | das | | the same and the s | |
| Noma: | | NUV 05 70 | ita | Name: Gar | 347 Basswood Ave | |
| Name: Address: | | 0 40 | 19 | Canal Fulton, | | |
| ruuress. | | Environmental o | | | n additional forms if ne | cessary |
| | | Chvirunimental o | nt of | present Attent | | |
| Pursuant to Ware plat survey | Vest Virginia Co on the tract of le | Departmental Projecte § 22-6A-10(a), no and as follows: | otice is hereb | | e undersigned well | operator is planning entry to conduct |
| State: | West Virginia | | | Public Road A | | Grapevine Road CR 25/31 |
| County: District: | Marshall | | | Watershed: | 10003. | Upper Fish Creek |
| DISTRICT. | Liberty | | | 11 444-0-40-0- | 24 | |
| Quadrangle: | Cameron | | | Generally use | d farm name: | Charles Jamison |
| Copies of the may be obtain Charleston, Wobtained from | state Erosion and aned from the Se VV 25304 (304 and the Secretary lands) | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u> 7: | epartment of of such docu | the statutes and Environmental ments or additiond-gas/pages/o | d rules related to oi l Protection headquional information re lefault.aspx. | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Copies of the may be obtain Charleston, Wobtained from Notice is he Well Operato | state Erosion and from the Sev 25304 (304 in the Secretary lareby given by reby given by results of the Secretary lareby given by results of the Secretary lareb | cretary, at the WV D -926-0450). Copies by visiting <u>www.dep.</u> | epartment of of such docu | the statutes and Environmental ments or additi | d rules related to oi l Protection headquional information re default.aspx. | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Copies of the may be obtain Charleston, Wobtained from | state Erosion and aned from the Se VV 25304 (304 and the Secretary lands) | cretary, at the WV D -926-0450). Copies by visiting www.dep. 7: TION COMPANY, LLC | epartment of of such docu | the statutes and Environmental ments or additiond-gas/pages/o | d rules related to oi l Protection headquional information re lefault.aspx. | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |

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| entry | | | ided at least | SEVEN (7) day | ys but no more than | n FORTY-FIVE (45) days prior to |
|--|--|--|--|--|--|--|
| Date of Notice | e: 4/18/2019 | Date of Plan | nned Entry: | 4/25/2019 | | |
| Delivery meth | od pursuant | to West Virginia C | ode § 22-6A- | 10a | | |
| ☐ PERSON | IAL 🔳 | REGISTERED | □ мет | HOD OF DEL | IVERY THAT RE | COUIRES A |
| SERVICE | | MAIL | | | ATURE CONFIR | |
| on to the surfa but no more the beneath such to owner of mine and Sediment Secretary, whi enable the surfa | ce tract to conc an forty-five d ract that has fil rals underlying Control Manua ch statement si ace owner to co | duct any plat surveys lays prior to such en- led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the | s required pury to: (1) The suant to secti unty tax reco d rules relate information, | suant to this are surface owner on thirty-six, are rds. The notice d to oil and gas | ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pr | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | by provided to | | | П | | 2000 |
| | E OWNER(s) | | | | OWNER OR LE | |
| Name: | | | - | Name: | | |
| Address: | | | - | Address: | | |
| Mamai | | Office | .D | _ | | |
| Name: | | Office of Oil ar | Td Gas | III MINE | RAL OWNER(s) | |
| Address: | | MOVA | -46 | Name: End | | |
| Name: | | NUV 05 20 | 10 | | 288 Crittenden Way, Apt 6 | |
| Address: | | | LJ | Rochester, NY | | |
| | The second secon | Environment | | The second secon | additional forms if ne | cessary |
| | | Environmental Pro | Tof | | | |
| Notice is her Pursuant to W | est Virginia Co | | | by given that th | e undersigned well | operator is planning entry to conduct |
| State: | West Virginia | 69,81034,303 | | Approx. Latit | ude & Longitude: | 39.792781,-80.608056 |
| County: | Marshall | | | Public Road A | Access: | Grapevine Road CR 25/31 |
| District: | Liberty | | | Watershed: | | Upper Fish Creek |
| Quadrangle: | Cameron | | | Generally use | d farm name: | Charles Jamison |
| may be obtain Charleston, W obtained from | ed from the Se V 25304 (304 the Secretary l reby given by | cretary, at the WV I -926-0450). Copies by visiting <u>www.der</u> | Department of of such docu | f Environmenta iments or addit | l Protection headquional information re | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| Telephone: | 304-884-1610 | | | | Morgantown, WV 26508 | 3 |
| Email: | brittany_woody@ | non nwar | | Facsimile: | 304-884-1690 | |
| | Dintary_woody | 2-1111-25111 | | , a st. 2002 . 1905 | | |

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| entry | f Notice: | | | nned Entry: 4 | | s out no more than | FORT 1-FIVE (43) days prior to |
|--|---|--|---|---|--|--|--|
| | | | to West Virginia C | ode § 22-6A-1 | 0a | | |
| □Р | ERSONA ERVICE | | REGISTERED MAIL | □ меті | HOD OF DEL | IVERY THAT RE | |
| on to the but no beneath owner and Se Secreta enable | ne surface more than h such tra- of minera diment Co ary, which the surface | tract to cond forty-five d et that has fil ls underlying ontrol Manual statement sl | duct any plat survey ays prior to such en led a declaration put g such tract in the co al and the statutes ar hall include contact obtain copies from the | s required purs try to: (1) The suant to section ounty tax recor- nd rules related information, in | suant to this are surface owner in thirty-six, are ds. The notice to oil and gas | ticle. Such notice s of such tract; (2) t ticle six, chapter to shall include a sta exploration and pi | shall provide notice of planned entry shall be provided at least seven days to any owner or lessee of coal seams wenty-two of this code; and (3) any atement that copies of the state Erosion roduction may be obtained from the age on the Secretary's web site, to |
| | | OWNER(s) | • | | П сол | OWNER OR LE | SSEE |
| | | | | | | 20 William Oli DD | |
| Name: | | | | - | | | |
| Addres | ss: | | | - | Address. | | |
| | | | Office of an | TIED | | | |
| Name: | 5. | | Office of On | 974 0 | MINIE | RAL OWNER(s) | |
| Addres | ss: | | | and Gas | | a contract of the second secon | |
| | | | MALL | | Name: Brace | iley Paul Hamel | 7. 40° |
| Name: | - | | NOV 052 | <i>1</i> 19 | The state of the s | 25100 Vista Murietta Rd A | pt 43 |
| Addres | ss: | | W/V & | _ | Murrieta, CA 9 | | HO WAS TO SHARE THE PARTY OF TH |
| | | | WV Departmental co | Tot - i | *please attach | additional forms if ne | cessary |
| | | | uenmental Pr | or of | | | |
| Notice | is herel | by given: | | rection | | | STATE OF THE STATE |
| Pursua | nt to Wes | t Virginia Co | ode § 22-6A-10(a), | notice is hereby | y given that the | e undersigned well | operator is planning entry to conduct |
| a plat s | urvey on | the tract of I | and as follows: | | | | |
| State: | | lest Virginia | | | Approx. Latite | ide & Longitude: | 39.792781, -80.608056 |
| County | /: M | arshall | | | Public Road A | Lccess: | Grapevine Road CR 25/31 |
| Distric | t: Li | berty | | | Watershed: | | Upper Fish Creek |
| Quadra | _ | emeron | | | Generally use | d farm name: | Charles Jamison |
| may be Charle obtain | e obtained ston, WV ed from th | from the Se 25304 (304 te Secretary | cretary, at the WV I -926-0450). Copies by visiting <u>www.de</u> | Department of s of such docur | Environmenta nents or additi | l Protection headque ional information r | il and gas exploration and production uarters, located at 601 57 th Street, SE, elated to horizontal drilling may be |
| LYOTIC | | by given by | | | Address. | 1200 Feet Pires of De | Suite 201 |
| *** ** * | Inerator | SWN PRODUCT | TION COMPANY, LLC | | Address: | 1300 Fort Pierpont Dr., | Suite 201 |
| Well C | | | | | | A. S. | |
| Well C Teleph Email: | none: | 304-884-1610 | | | Facsimile: | Morgantown, WV 26508 304-884-1690 | 3 |

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| entry | risquit smeati | rouce shall be prov | ed at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to |
|---|---|---|---|
| Date of Notic | ce: 4/18/2019 | Date of Plan | ed Entry: 4/25/2019 |
| Delivery me | hod pursuant | to West Virginia C | |
| | | | |
| LI PERSO | 76000 | REGISTERED | METHOD OF DELIVERY THAT REQUIRES A |
| SERVIC | E | MAIL | RECEIPT OR SIGNATURE CONFIRMATION |
| on to the surfi but no more t beneath such owner of min and Sediment Secretary, wh enable the sur | ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement si face owner to o | duct any plat surveys ays prior to such end led a declaration pur g such tract in the co al and the statutes an hall include contact obtain copies from the | or to filing a permit application, the operator shall provide notice of planned entry equired pursuant to this article. Such notice shall be provided at least seven days to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams and to section thirty-six, article six, chapter twenty-two of this code; and (3) any by tax records. The notice shall include a statement that copies of the state Erosion ules related to oil and gas exploration and production may be obtained from the formation, including the address for a web page on the Secretary's web site, to eccretary. |
| | eby provided to | 0: | |
| | CE OWNER(s) | | COAL OWNER OR LESSEE |
| Name: Ronnie | | \ | Name: Murray Energy Attn: Mason Smith |
| Address: 3780 Cameron, WV 260 | | den PEC | Address: 46336 National Road VED Saint Clairsville, OH 43950 |
| Name: | 33 | Office of | VED Saint Gainsvine, OH 43950 |
| Address: | and the second | Office of | MINERAL OWNER(s) |
| 71001033. | - | NOV 03 | Name: Raymond Bentz |
| Name: | | 2.00 | Address: 2724 Wyoming Ave. SW |
| Address: | | Smaronmenter | Wyoming, MI 49519 |
| | | Emironmental | *please attach additional forms if necessary |
| 2.7 | 1000 | | rection |
| Notice is he | reby given: | | |
| | | | ce is hereby given that the undersigned well operator is planning entry to conduct |
| a piat survey of State: | on the tract of la West Virginia | and as follows. | Approx. Latitude & Longitude: 39.792781, -80.508055 |
| County: | Marshall | | Public Road Access: Grapevine Road CR 25/31 |
| District: | Liberty | | Watershed: Upper Fish Creek |
| Quadrangle: | Cameron | | Generally used farm name: Charles Jamison |
| may be obtain Charleston, W | ned from the Sec VV 25304 (304- | cretary, at the WV D -926-0450). Copies | anual and the statutes and rules related to oil and gas exploration and production artment of Environmental Protection headquarters, located at 601 57th Street, SE, such documents or additional information related to horizontal drilling may be v.gov/oil-and-gas/pages/default.aspx. |
| | | A WY | |
| | reby given by | : | |
| Notice is he | | | Address: 1300 Fort Pierpont Dr., Suite 201 |
| | | TON COMPANY, LLC | Address. 1300 Fort Pierpots Dr., Suite 201 |
| Notice is he Well Operato Telephone: Email: | | TON COMPANY, LLC | Morgantown, WV26508 Facsimile: 304-884-1690 |

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Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

| Notice Time Date of Noti | Requirement: ce: 05/02/2019 | Notice shall be provided at least Date Permit | TEN (10) days prior to filing a | permit application. |
|--|---|--|---|--|
| Delivery me | thod pursuant | to West Vîrginia Code § 22-6A | -16(b) | |
| ☐ HAND | 0 | CERTIFIED MAIL | | |
| DELIVI | | RETURN RECEIPT REQUES | TED | |
| receipt reque drilling a hor of this subsec- subsection m | sted or hand del izontal well: Pation as of the da ay be waived in | ivery, give the surface owner no rovided, That notice given pursuate the notice was provided to the writing by the surface owner. | ntice of its intent to enter upon the lant to subsection (a), section to e surface owner: <i>Provided</i> , how | an operator shall, by certified mail return ne surface owner's land for the purpose of n of this article satisfies the requirements vever, That the notice requirements of this ude the name, address, telephone number, r's authorized representative. |
| | | d to the SURFACE OWNER | | |
| Name: Charles | | | Name: | |
| Address: 90 L Seville, OH 4427 | | | Address: | |
| State: County: District: Quadrangle: Watershed: This Notice | West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia | MOV 05 2019 Wrong nature of Code \$ 22-6A-16(b). This notice | tal well on the tract of land as fo UTM NAD 83 Easting: Northing: Sepublic Road Access: Generally used farm name: e shall include the name, address authorized | 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ess, telephone number, and if available, ed representative. Additional information |
| located at 60 | 1 57 th Street, SE | , Charleston, WV 25304 (304-9 | | f Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| | reby given by | | Authorized Representative: | Justin Booth |
| Address: | | | Address: | 1300 Fort Pierpont Dr., Suite 201 |
| Address. | | oont Dr., Suite 201 | riduress. | Morgantown, WV 26508 |
| Telephone: | Morgantown, W 304-997-9816 | V 20000 | Telephone: | 304-997-9816 |
| Email; | Justin_Booth@ | Sswn com | Email: | Justin_Booth@swn.com |
| Facsimile: | 304-884-1691 | Senii Senii | Facsimile: | 304-884-1691 |
| a speciment | | | | |

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| Date of Notic | ce: 05/02/2019 | Date Permit | t TEN (10) days prior to filing a Application Filed: | 4 |
|--|--|--|--|--|
| Delivery met | hod pursuant | to West Virginia Code § 22-6A | A-16(b) | |
| ☐ HAND | | CERTIFIED MAIL | | |
| Market Committee | | | amica. | |
| DELIVE | EKY | RETURN RECEIPT REQUES | STED | |
| receipt reques drilling a hor of this subsec subsection ma | sted or hand delizontal well: Pation as of the day be waived in | livery, give the surface owner no irovided. That notice given purs ate the notice was provided to the writing by the surface owner. | otice of its intent to enter upon the uant to subsection (a), section to surface owner: <i>Provided, how</i> | , an operator shall, by certified mail return he surface owner's land for the purpose of en of this article satisfies the requirements wever, That the notice requirements of this lude the name, address, telephone number, or's authorized representative. |
| | | d to the SURFACE OWNE | R(s): | |
| Name: Gail Zwi | | | Name: | |
| | Edgington Lane #15 | | Address: | |
| Wheeling, WV 26 | 5003 | | | |
| State: | West Virginia | Dip | tal well on the tract of land as for | 533,591.622 |
| | 7 | Office - LETYED | | |
| County: | Marshall | Office of Oil and Gas | Northing: | 4,404,733.628 |
| County: District: | Liberty | Office of Oil and Gas | Public Road Access: | 4,404,733.628 Grapevine Ridge Drive |
| County: | | NUV 0 5 2019 | Northing: | 4,404,733.628 |
| County: District: Quadrangle: Watershed: This Notice Pursuant to 'facsimile nur related to hor | Cameron Maggoty Run Shall Includ West Virginia mber and electriziontal drilling | e: Thylic in heart ment of Code § 22-6A-16(b) Ithis protice mail address of the operation of the obtained from the Sec | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorize retary, at the WV Department of | 4,404,733.628 Grapevine Ridge Drive |
| County: District: Quadrangle: Watershed: This Notice Pursuant to 'facsimile nur related to hor located at 60 | Cameron Maggoty Run Shall Includ West Virginia mber and electriziontal drilling | e: Code § 22-6A-16(b) this potice onic mail address of the operation of the content of the conte | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorize retary, at the WV Department of 1926-0450) or by visiting www.d | 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| County: District: Quadrangle: Watershed: This Notice Pursuant to 'facsimile nur related to hor located at 60 | Cameron Maggoty Run Shall Include West Virginia mber and electriziontal drilling 1 57 th Street, SE | e: Code § 22-6A-16(b) this potice onic mail address of the operation of the content of the conte | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorize retary, at the WV Department of | 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| County: District: Quadrangle: Watershed: This Notice Pursuant to 'facsimile nur related to hor located at 60' Notice is he | Cameron Maggoty Run Shall Includ West Virginia mber and electrizontal drilling 1 57th Street, SE reby given by The SWN Production | e: The control of Code § 22-6A-16(b), this protice mail address of the operation of the control | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorize retary, at the WV Department of 1926-0450) or by visiting www.d | 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| County: District: Quadrangle: Watershed: This Notice Pursuant to vaccimile nur related to hor located at 60. Notice is he Well Operator | Cameron Maggoty Run Shall Includ West Virginia mber and electrizontal drilling 1 57th Street, SE reby given by The SWN Production | e: Code § 22-6A-16(b), this potice onic mail address of the operation of the content of the con | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorizeretary, at the WV Department (926-0450) or by visiting www.d | 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, and representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| County: District: Quadrangle: Watershed: This Notice Pursuant to vaccimile nur related to hor located at 60. Notice is he Well Operator | Cameron Maggoty Run Shall Include West Virginia mber and electrizontal drilling 1 57th Street, SE reby given by or: SWN Production 1300 Fort Pier | e: Code § 22-6A-16(b) this potice onic mail address of the operation of the content of the cont | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorize retary, at the WV Department of 926-0450) or by visiting www.d. Authorized Representative Address: Telephone: | 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, sed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth 1300 Fort Pierpont Dr., Suite 201 |
| County: District: Quadrangle: Watershed: This Notice Pursuant to 'facsimile nur related to hor located at 60: Notice is he Well Operato Address: | Liberty Cameron Maggoty Run Shall Include West Virginia mber and electriziontal drilling 1 57th Street, SE reby given by or: SWN Production 1300 Fort Pier Morgantown, V | e: MAY Department of Code § 22-6A-16(b), this potic ronic mail address of the opera may be obtained from the Sec E, Charleston, WV 25304 (304-1) y: on Company, LLC pont Dr., Suite 201 W 26508 | Public Road Access: Generally used farm name: ce shall include the name, addutor and the operator's authorizeretary, at the WV Department (926-0450) or by visiting www.d | 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, sed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 |

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| Notic Date | e Time Ro of Notice: | o5/02/2019 | Notice shall be provided at leas Date Permit | t TEN (10) days prior to filing a | permit application. |
|---------------------------------------|---|---|---|--|--|
| Deliv | ery metho | d pursuant | to West Virginia Code § 22-6A | A-16(b) | |
| | HAND | | CERTIFIED MAIL | | |
| | DELIVER' | | RETURN RECEIPT REQUES | TED | |
| | JEET VEIX | 1 | RETURN RECEIFT REQUES | STED | |
| receip drillin of this subse | t requeste g a horize s subsection ction may | d or hand de ontal well: P on as of the d be waived in | livery, give the surface owner no rovided, That notice given pursuate the notice was provided to the writing by the surface owner. | otice of its intent to enter upon the uant to subsection (a), section tenter surface owner: <i>Provided</i> , however. | an operator shall, by certified mail return ne surface owner's land for the purpose of en of this article satisfies the requirements vever. That the notice requirements of this ude the name, address, telephone number, or's authorized representative. |
| | | | d to the SURFACE OWNE | R(s): | |
| | : Mitchell Zwi | | | Name: | |
| | ess: 911 Hillo | | | Address: | |
| St. Alt | ans, WV 2517 | 7 | | | |
| the su State: Count Distri | rface own ty: ct: L | | | utal well on the tract of land as for UTM NAD 83 Basting: Northing: Public Road Access: | well operator has an intent to enter upon sllows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| | _ | Cameron | NOV 05 2010 | Generally used farm name; | Charles Jamison MSH |
| relate | Notice Si ant to We nile numb d to horize | er and elect ontal drilling | onic mail address of the opera may be obtained from the Sec | itor and the operator's authorize retary, at the WV Department of | ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| Notic | e is here | by given by | ý: | | |
| Well | Operator: | SWN Producti | on Company, LLC | Authorized Representative: | Justin Booth |
| Addre | ess: | 1300 Fort Pier | pont Dr., Suite 201 | Address: | 1300 Fort Pierpont Dr., Suite 201 |
| | | Morgantown, V | W 26508 | | Morgantown, WV 26508 |
| Telep | hone: | 304-997-9816 | | Telephone: | 304-997-9816 |
| Emai | 1: | Justin_Booth@ | gswn.com | Email: | Justin_Booth@swn.com |
| Facsi | mile: | 304-884-1691 | | Facsimile: | 304-884-1691 |
| | | | | a state of the sta | * |

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| Votice Time | Requirement: Notice shall be provided a | | |
|--|--|--|--|
| Date of Notic | Requirement: Notice shall be provided a ce: 05/02/2019 Date Pe | rmit Application Filed: | permit application. |
| Delivery met | hod pursuant to West Virginia Code § | 22-6A-16(b) | |
| ☐ HAND | ■ CERTIFIED MAIL | | |
| | | A COMPANY | |
| DELIVE | RETURN RECEIPT RE | QUESTED | |
| receipt request drilling a horion this subsection mand if availab | sted or hand delivery, give the surface ow izontal well: <i>Provided</i> , That notice giver tion as of the date the notice was provide | ner notice of its intent to enter upon the pursuant to subsection (a), section to do to the surface owner: <i>Provided, however</i> . The notice, if required, shall included address of the operator and the operator | an operator shall, by certified mail return the surface owner's land for the purpose of en of this article satisfies the requirements wever. That the notice requirements of this ude the name, address, telephone number, or's authorized representative. |
| | Energy ATTN: Mason Smith | Name: | |
| Address: 4622 | | Address: | |
| St. Clairsville, OF | | | |
| Pursuant to Value of the surface of | vner's land for the purpose of drilling a ho | orizontal well on the tract of land as for | |
| Pursuant to Whe surface ov State: County: District: Quadrangle: | Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest Virginia Marshall Liberty Cameron | e is hereby given that the undersigned orizontal well on the tract of land as for the control of | well operator has an intent to enter upon bllows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH |
| Pursuant to Whe surface over State: County: District: Quadrangle: Watershed: This Notice Pursuant to Versuant to Versuant to Notice and The Notice Pursuant to Notice Pursuant to Notice and The Notice Pursuant to Notice Purs | Vest Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a howest virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the | orizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: notice shall include the name, addroperator and the operator's authorize e Secretary, at the WV Department of | ollows: 533,591,622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, |
| Pursuant to Whe surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Vifacsimile nurrelated to hor located at 60 | West Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a heat when west virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 | orizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: notice shall include the name, addroperator and the operator's authorize e Secretary, at the WV Department of | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information |
| Pursuant to Whe surface over State: County: District: Quadrangle: Watershed: This Notice Pursuant to Watershie nurrelated to hor located at 60 located is he | West Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a heat when west virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 (creby given by: | Drizontal well on the tract of land as for Easting: WITM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: In notice shall include the name, addressed operator and the operator's authorized e Secretary, at the WV Department of (304-926-0450) or by visiting www.de | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| Pursuant to Whe surface over State: County: District: Quadrangle: Watershed: This Notice Pursuant to Versuant to Versuant to Notice at 601 Notice is he Well Operato | Vest Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a howest Virginia Marshall Liberty Cameron Maggety Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 57th Street, SE, Charleston, WV 25304 (creby given by: ser: SWN Production Company, LLC | Drizontal well on the tract of land as for Easting: UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: In notice shall include the name, addressed operator and the operator's authorize e Secretary, at the WV Department of (304-926-0450) or by visiting www.defauthorized Representative: | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| Pursuant to Whe surface over State: County: District: Quadrangle: Watershed: This Notice Pursuant to Versuant to Versuant to Notice at 601 Notice is he Well Operato | West Virginia Code § 22-6A-16(b), notice wher's land for the purpose of drilling a heat when west virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 157th Street, SE, Charleston, WV 25304 (creby given by: | Drizontal well on the tract of land as for Easting: WITM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: In notice shall include the name, addressed operator and the operator's authorized e Secretary, at the WV Department of (304-926-0450) or by visiting www.de | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth 1300 Fort Pierpont Dr., Suite 201 |
| Pursuant to Verhe surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Vertacsimile nurrelated to hor located at 60 located a | Vest Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a howest Virginia Marshall Liberty Cameron Maggety Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the 57th Street, SE, Charleston, WV 25304 (creby given by: ser: SWN Production Company, LLC | Drizontal well on the tract of land as for Easting: WITM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: In notice shall include the name, addroperator and the operator's authorized e Secretary, at the WV Department of (304-926-0450) or by visiting www.de Authorized Representative: Address: | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| Pursuant to Webe surface over State: County: District: Quadrangle: Watershed: This Notice Pursuant to Vebrasimile nurrelated to hose located at 600 Notice is he Well Operato Address: Telephone: | Vest Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a heat when west virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the properties of the rizontal drilling may be contained from the street of the street of the reby given by: The street of the purpose of drilling a heat with the purpose of drill | Drizontal well on the tract of land as for Easting: WITM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: In notice shall include the name, addroperator and the operator's authorized e Secretary, at the WV Department of (304-926-0450) or by visiting www.de Authorized Representative: Address: Telephone: | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 304-997-9816 |
| Pursuant to Whe surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Vifacsimile nurrelated to hor located at 60 located is he | West Virginia Code § 22-6A-16(b), notice when's land for the purpose of drilling a heat when west virginia Marshall Liberty Cameron Maggoty Run Shall Include: West Virginia Code § 22-6A-16(b), this mber and electronic mail address of the rizontal drilling may be obtained from the structure of the structur | Drizontal well on the tract of land as for Easting: WITM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: In notice shall include the name, addroperator and the operator's authorized e Secretary, at the WV Department of (304-926-0450) or by visiting www.de Authorized Representative: Address: | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. Justin Booth 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 |

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1 1 0 5 2019

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| Date of Notic | Requirement: 1 e: 05/02/2019 | Notice shall be provided Date I | d at least TEN (10) days prior to filing a Permit Application Filed: | permit application. |
|---|--|--|--|---|
| Delivery met | hod pursuant t | o West Virginia Code | § 22-6A-16(b) | |
| ☐ HAND | | CERTIFIED MAIL | | |
| DELIVE | | RETURN RECEIPT R | EOUESTED | |
| | | | | |
| receipt reques drilling a hor of this subsec subsection ma and if availab | ted or hand deli zontal well: Pr tion as of the da by be waived in le, facsimile nur | very, give the surface of rovided, That notice give te the notice was provide writing by the surface of mber and electronic main | owner notice of its intent to enter upon the ven pursuant to subsection (a), section to ded to the surface owner: <i>Provided, how owner</i> . The notice, if required, shall included address of the operator and the operator | an operator shall, by certified mail return ne surface owner's land for the purpose of on of this article satisfies the requirements ovever. That the notice requirements of this ude the name, address, telephone number, or's authorized representative. |
| Notice is he Name: Ronnie E | | to the SURFACE C | | |
| Address: 3780 | | | Name: Address: | |
| Cameron, WV 26 | | | Address. | |
| Pursuant to V | est Virginia Co | | ice is hereby given that the undersigned horizontal well on the tract of land as fo | well operator has an intent to enter upon illows: |
| Pursuant to W the surface ov State: County: | Vest Virginia Co vner's land for the West Virginia Marshall | | horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: | bllows: 533,591.622 4,404,733.628 |
| the surface ov State: County: District: | est Virginia Co vner's land for the West Virginia Marshall Liberty | | horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: | Blows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Pursuant to V the surface ov State: County: District: Quadrangle: | Vest Virginia Co vner's land for the West Virginia Marshall | | horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: | bllows: 533,591.622 4,404,733.628 |
| Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor | Vest Virginia Cover's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Comber and electrosizontal drilling | the purpose of drilling a code § 22-6A-16(b), the point mail address of the may be obtained from | horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addrate operator and the operator's authorize the Secretary, at the WV Department of | Blows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Pursuant to W the surface ov State: County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nur related to hor located at 601 Notice is he | Vest Virginia Covner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Conber and electrosizontal drilling 57th Street, SE, reby given by | the purpose of drilling a Code § 22-6A-16(b), the price mail address of the may be obtained from the Charleston, WV 2530 | UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addrate operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| Pursuant to Wathe surface over State: County: District: Quadrangle: Watershed: This Notice Pursuant to Vales facsimile nurrelated to hot located at 601 Notice is he | Vest Virginia Covner's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Conber and electrosizontal drilling 57th Street, SE, | the purpose of drilling a Code § 22-6A-16(b), the price mail address of the may be obtained from the Charleston, WV 2530 | horizontal well on the tract of land as fo UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addrate operator and the operator's authorize the Secretary, at the WV Department of | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
| Pursuant to Wether surface of State: County: District: Quadrangle: Watershed: This Notice Pursuant to Vetacsimile nurrelated to hor located at 601 Notice is he Well Operato | Vest Virginia Cover's land for the West Virginia Marshall Liberty Cameron Maggoty Run Shall Include West Virginia Comber and electrosizontal drilling 57th Street, SE, reby given by r: SWN Production | the purpose of drilling a Code § 22-6A-16(b), the price mail address of the may be obtained from the Charleston, WV 2530 | UTM NAD 83 Easting: Northing: Public Road Access: Generally used farm name: his notice shall include the name, addrate operator and the operator's authorize the Secretary, at the WV Department of 4 (304-926-0450) or by visiting www.de | ollows: 533,591.622 4,404,733.628 Grapevine Ridge Drive Charles Jamison MSH ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep.wv.gov/oil-and-gas/pages/default.aspx. |
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Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office of Oil and Gas

NOV 05 2019

Enmonmental Protection

| Date of Not | ice: 05/02/2019 Date Per | | o later than the filing pplication Filed: | | application. |
|--|---|---|--|---|--|
| Delivery me | ethod pursuant to West Virginia C | ode § | 22-6A-16(c) | 1. 1 | |
| CERT | IFIED MAIL | П | HAND | | |
| | IRN RECEIPT REQUESTED | | DELIVERY | | |
| | | | | | |
| return receipthe planned required to be drilling of a damages to | of requested or hand delivery, give the operation. The notice required by the provided by subsection (b), section horizontal well; and (3) A propose the surface affected by oil and gas of | ne surfa this so n ten o ed surfa peration given t | ace owner whose land ubsection shall include it this article to a surface use and compenses to the extent the date of the surface owner as | I will be used for de: (1) A copy ace owner whos ation agreemen images are comp | cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information we land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time |
| | ss listed in the records of the sheriff | | | | |
| | and Jean Jamison | -0 | Name: | | |
| Address: 901 | | 2 | Address | : | |
| Seville, OH 4427 | 73 | - | | | |
| State: County: District: | the surface owner's land for the pu West Virginia Marshall Liberty | rpose o | UTM NAD 8 Public Road | Easting: Northing: Access: | 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Quadrangle: | | | Generally use | ed farm name: | Charles Jamison MSH |
| Watershed: | Maggoty Run | | _ | | |
| Pursuant to to be provide horizontal was surface affection for the province of | led by W. Va. Code § 22-6A-10(b) ell; and (3) A proposed surface use sted by oil and gas operations to the related to horizontal drilling may be, located at 601 57th Street, SE, | to a s and co e extended obtain | surface owner whose impensation agreement the damages are co- lined from the Secret | land will be unt containing an ompensable und ary, at the WV | code section; (2) The information required used in conjunction with the drilling of a offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-department |
| Well Operat | Of: SWN Production Company, LLC | | Address: | 1300 Fort Pierpont I | Or Suite 201 |
| Telephone: | 304-997-9816 | | . 1001033. | Morgantown, WV 26 | 170 |
| Email: | Justin Booth@swn.com | | Facsimile: | 304-884-1691 | 775.71 |
| | | | | | |
| The Office of | s Privacy Notice: of Oil and Gas processes your persor personal information may be disc | al info | ormation, such as nam o other State agencie | e, address and t es or third parti | relephone number, as part of our regulatory es in the normal course of business or as |

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

RECEIVED Office of Oil and Gas

FBV 0.5 2019

| Notice Time I Date of Notic | Requirement: notice shall be pro e: 05/02/2019 Date Po | ermit Application Filed: | ate of permit | application. |
|--|---|--|--|--|
| Delivery met | nod pursuant to West Virginia (| Code § 22-6A-16(c) | 1 1 | |
| CERTIF | IED MAIL | ☐ HAND | | |
| | N RECEIPT REQUESTED | DELIVERY | | |
| eturn receipt the planned of equired to be rilling of a hamages to the difference of notice. | requested or hand delivery, give a peration. The notice required by provided by subsection (b), secti- orizontal well; and (3) A propose e surface affected by oil and gas of a required by this section shall be by provided to the SURFACE (| the surface owner whose land of this subsection shall include on ten of this article to a surface sed surface use and compensate operations to the extent the dance given to the surface owner at OWNER(s) | will be used for :: (1) A copy :e owner whose tion agreement tages are comp | cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time |
| Name: Gail Zwic Address: 159 E Wheeling, WV 280 Notice is here Pursuant to W operation on | by given: est Virginia Code § 22-6A-16(c), the surface owner's land for the p | Name: | undersigned well on the tra | |
| Varne: Gail Zwich Address: 159 E Wheeling, WV 260 Wotice is here Pursuant to W peration on thate: | by given: est Virginia Code § 22-6A-16(c), he surface owner's land for the p West Virginia | Name:Address:, notice is hereby given that the | undersigned well on the tra Easting: | act of land as follows: 533,591,622 |
| Jame: Gail Zwic address: 159 E Wheeling, WV 260 Votice is here fursuant to W peration on tate: County: | by given: est Virginia Code § 22-6A-16(c), the surface owner's land for the p | Name: Address: , notice is hereby given that the purpose of drilling a horizontal UTM NAD 83 | undersigned well on the tra Easting: Northing: | ect of land as follows: |
| Jame: Gail Zwic Address: 159 E Wheeling, WV 260 Worker is here fursuant to W peration on tate: County: District: | by given: est Virginia Code § 22-6A-16(c), the surface owner's land for the p West Virginia Marshall | Name: | undersigned well on the tra Easting: Northing: ccess: | act of land as follows: 533,591.622 4,404,733.628 |
| Name: Gail Zwic Address: 159 E Wheeling, WV 260 Notice is here Pursuant to W | by given: est Virginia Code § 22-6A-16(c), the surface owner's land for the p West Virginia Marshall Liberty | Name: Address: notice is hereby given that the purpose of drilling a horizontal UTM NAD 83 Public Road A | undersigned well on the tra Easting: Northing: ccess: | act of land as follows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Name: Gail Zwich Address: 159 E Wheeling, WV 280 Notice is here Pursuant to Waperation on State: County: District: Quadrangle: Vatershed: This Notice Security of the provide portional we purface affect information recadquarters, as /pages/defa | by given: est Virginia Code § 22-6A-16(c), he surface owner's land for the p West Virginia Marshall Liberty Cameron Maggoty Run hall Include: est Virginia Code § 22-6A-16(c) d by W. Va. Code § 22-6A-10(l) l; and (3) A proposed surface used by oil and gas operations to telated to horizontal drilling may located at 601 57 th Street, SE, nult.aspx. | Name: | e undersigned well on the tra Easting: Northing: ccess: I farm name: A copy of this land will be a containing ar npensable und ry, at the WV | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and- |
| Jame: Gail Zwich ddress: 159 E Wheeling, WV 260 Wotice is here fursuant to W peration on thate: County: District: Quadrangle: Vatershed: This Notice Stursuant to W be provide for izontal we furface affect information recadquarters, as/pages/defit. | by given: est Virginia Code § 22-6A-16(c), he surface owner's land for the p West Virginia Marshall Liberty Cameron Maggoty Run hall Include: est Virginia Code § 22-6A-16(c) d by W. Va. Code § 22-6A-10(t) l; and (3) A proposed surface used by oil and gas operations to telated to horizontal drilling may located at 601 57 th Street, SE, sulf.aspx. | Name: | e undersigned well on the tra Easting: Northing: ccess: I farm name: A copy of this land will be a containing ar npensable und ry, at the WV 604-926-0450) | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201 |
| Name: Gail Zwich Address: 159 E Wheeling, WV 260 Worker is here bursuant to W peration on thate: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide for izontal we for urface affect information releadquarters, | by given: est Virginia Code § 22-6A-16(c), he surface owner's land for the p West Virginia Marshall Liberty Cameron Maggoty Run hall Include: est Virginia Code § 22-6A-16(c) d by W. Va. Code § 22-6A-10(l) l; and (3) A proposed surface used by oil and gas operations to telated to horizontal drilling may located at 601 57 th Street, SE, nult.aspx. | Name: Address: Address: notice is hereby given that the purpose of drilling a horizontal UTM NAD 83 Public Road A Generally used this notice shall include: (1)A b) to a surface owner whose e and compensation agreement the extent the damages are combe obtained from the Secretar Charleston, WV 25304 (3) Address: | e undersigned well on the tra Easting: Northing: ccess: I farm name: A copy of this land will be a containing ar npensable und ry, at the WV | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201 |

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED
Office of Oil and Gas

MW 05 2019

MATTER Arrived of a security mail Proceeding

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS $\frac{\text{NOTICE OF PLANNED OPERATION}}{\text{NOTICE OF PLANNED OPERATION}}$

| Date of Noti | Requirement: notice sha | Date Permit A | pplication Filed: | District permit | application. |
|--|--|--|--|--|--|
| Delivery me | thod pursuant to West V | irginia Code § | 22-6A-16(c) | A 1 | |
| CERTI | FIED MAIL | | HAND | | |
| | RN RECEIPT REQUEST | ED | DELIVERY | | |
| return receipthe planned required to be drilling of a damages to the drilling of the notice of notice. | requested or hand deliver operation. The notice red e provided by subsection (horizontal well; and (3) A ne surface affected by oil a es required by this section eby provided to the SUR | ry, give the surfa- quired by this si b), section ten of A proposed surfa- and gas operation i shall be given to RFACE OWNE | ace owner whose land absection shall include this article to a surfi- ace use and compens as to the extent the da to the surface owner a | will be used for le: (1) A copy ace owner whose ation agreement mages are com | cation, an operator shall, by certified main or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time |
| A THE RESERVE OF THE PARTY OF T | s listed in the records of the | he cheriff at the | ime of notice): | | |
| | | ne sherin at the | | | |
| Name: Mitchell | Zwick | ———— | Name: | | |
| Name: Mitchell Address: 911 St. Albans, WV 2 Notice is her Pursuant to V | Zwick Hillcrest Drive 5177 eby given: Vest Virginia Code § 22-6. | A-16(c), notice | Name: Address s hereby given that the | e undersigned | well operator has developed a planned |
| Name: Mitchell Address: 911 St. Albans, WV 2 Notice is her Pursuant to V operation on State: County: | Zwick Hillcrest Drive 5177 eby given: | A-16(c), notice | Name: Address s hereby given that the | e undersigned to the trace and the trace as the second of the trace as the second of t | |
| Name: Mitchell Address: 911 St. Albans, WV 2 Notice is her Pursuant to V operation on State: County: District: Quadrangle: | zwick Hillcrest Drive 5177 eby given: Vest Virginia Code § 22-6. the surface owner's land West Virginia Marshall Liberty Cameron | A-16(c), notice | Name: Address s hereby given that the of drilling a horizonta UTM NAD 8 | e undersigned to the trace and the trace as the second of the trace as the second of t | act of land as follows: 533,591,622 4,404,733,628 |
| Name: Mitchell Address: 911 St. Albans, WV 2 Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice Pursuant to V to be provid horizontal we surface affect information | cby given: Vest Virginia Code § 22-6. the surface owner's land West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6. ed by W. Va. Code § 22-6. ed by W. Va. Code § 22-6. ed by oil and gas operative lated to horizontal drilliculated at 601 57th Street | A-16(c), notice of for the purpose of the purpose o | Name: Address s hereby given that the farilling a horizonta UTM NAD 8 Public Road A Generally use stice shall include: (1) surface owner whose ompensation agreement the damages are coined from the Secret | e undersigned of well on the trage Easting: Northing: Access: Index farm name: A copy of this land will be understand arm name arm, at the WV | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive |
| Name: Mitchell Address: 911 St. Albans, WV 2 Notice is her Pursuant to Voperation on State: County: District: Quadrangle: Watershed: This Notice Pursuant to Voto be provide horizontal wasurface affect information headquarters gas/pages/de | eby given: Vest Virginia Code § 22-6. the surface owner's land West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6 ed by W. Va. Code § 22-6 ell; and (3) A proposed su ted by oil and gas operative lated to horizontal drilliculary. Illinois and the street of the street o | A-16(c), notice of for the purpose of the purpose o | Name: Address s hereby given that the fidrilling a horizonta UTM NAD 8 Public Road a Generally use stice shall include: (1) surface owner whose ompensation agreement the damages are colored from the Secret eston, WV 25304 | A copy of this land will be uncary, at the WV(304-926-0450) | act of land as follows: 533,591.622 4.404,733.628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and- |
| Name: Mitchell Address: 911 St. Albans, WV 2 Notice is her Pursuant to V operation on State: County: District: Quadrangle: Watershed: This Notice Pursuant to V to be provid horizontal w surface affect information headquarters | eby given: Vest Virginia Code § 22-6. the surface owner's land West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6 ed by W. Va. Code § 22-6 ell; and (3) A proposed su ted by oil and gas operative lated to horizontal drilliculary. Illinois and the street of the street o | A-16(c), notice of for the purpose of the purpose o | Name: Address s hereby given that the farilling a horizonta UTM NAD 8 Public Road A Generally use stice shall include: (1) surface owner whose ompensation agreement the damages are coined from the Secret | e undersigned of well on the trage Easting: Northing: Access: Index farm name: A copy of this land will be understand arm name arm, at the WV | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201 |

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Office of Oil and Gas

MAY 0 5 2019

MAZ Pedartment of Missilal Frescoon

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| Delivery met | hod pursuant to West Virginia C | ode § 22-6A-16 | (c) | , | |
| ■ CERTII | FIED MAIL | ☐ HAND | | | |
| | N RECEIPT REQUESTED | DELIVI | ERY | | |
| return receipt the planned of required to be drilling of a ladamages to the (d) The notice of notice. | requested or hand delivery, give the peration. The notice required by provided by subsection (b), section norizontal well; and (3) A propose e surface affected by oil and gas of a required by this section shall be be provided to the SURFACE O | this subsection this subsection ten of this articled surface use an original to the egiven to the surface. | whose land shall included the to a surfand compension extent the da face owner a | will be used for e: (1) A copy ce owner whose ation agreement mages are comp | cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information see land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time |
| | s listed in the records of the sheriff | at the time of no | The second secon | | |
| | | | | | |
| | nergy Corp ATTN: Mason Smith | - | Name: | | |
| Address: 46226 St. Clairsville, OH Notice is here Pursuant to W | s National Road 43950 Seby given: Sest Virginia Code § 22-6A-16(c), | | Address | : | well operator has developed a planned |
| Address: 46221 St. Clairsville, OH Notice is here Pursuant to W operation on State: | eby given: est Virginia Code § 22-6A-16(c), the surface owner's land for the pu | rpose of drilling | Address | e undersigned well on the tra | ct of land as follows: 533,591.622 |
| Address: 46221 St. Clairsville, OH Notice is here Pursuant to W operation on State: County; | eby given: est Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Marshall | rpose of drilling | Address given that th a horizontal TM NAD 8. | e undersigned vell on the tra Beasting: Northing: | tot of land as follows: 533,591.622 4,404,733.628 |
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| Address: 46221 st. Clairsville, OH Notice is here Pursuant to W operation on State: County; | eby given: est Virginia Code § 22-6A-16(c), the surface owner's land for the pu West Virginia Marshall | rpose of drilling U | Address given that th a horizontal TM NAD 8. | e undersigned vell on the tra Beasting: Northing: | tot of land as follows: 533,591.622 4,404,733.628 |
| Address: 46221 St. Clairsville, OH Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information r | eby given: (est Virginia Code § 22-6A-16(c), the surface owner's land for the put west Virginia Marshall Liberty Cameron Maggoty Run Chall Include: Vest Virginia Code § 22-6A-16(c), d by W. Va. Code § 22-6A-10(b), dl; and (3) A proposed surface use ed by oil and gas operations to the lated to horizontal drilling may blocated at 601 57 th Street, SE, | this notice shall to a surface of and compensation extent the dampe obtained from | Address given that the a horizontal TM NAD 8. ublic Road Address include: (1) where whose on agreement ages are continued to the Secret. | e undersigned well on the tra Well on the tra Easting: Northing: Access: d farm name: A copy of this land will be understable understable understable arry, at the WV | cct of land as follows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Address: 46221 St. Clairsville, OH Notice is here Pursuant to W operation on State: County; District: Quadrangle: Watershed: Pursuant to W o be provide norizontal we surface affect information r neadquarters. gas/pages/def | eby given: est Virginia Code § 22-6A-16(c), the surface owner's land for the put west Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), d by W. Va. Code § 22-6A-10(b) dl; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may blocated at 601 57th Street, SE, ault.aspx. | this notice shall to a surface of and compensation extent the dampe obtained from | Address given that th a horizontal TM NAD 8. ublic Road A enerally use include: (1) wner whose on agreemen nages are con the Secret V 25304 (| e undersigned well on the tra Basting: Northing; Access: d farm name: A copy of this land will be understanded arm and ary, at the WV 304-926-0450) | code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and- |
| Address: 46221 St. Clairsville, OH Notice is here Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to W to be provided norizontal we surface affect unformation r neadquarters. gas/pages/def | eby given: est Virginia Code § 22-6A-16(c), the surface owner's land for the put west Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), d by W. Va. Code § 22-6A-10(b), ll; and (3) A proposed surface use ed by oil and gas operations to the lated to horizontal drilling may located at 601 57th Street, SE, ault.aspx. | this notice shall to a surface of and compensation extent the dampe obtained from | Address given that the a horizontal TM NAD 8. ublic Road Address include: (1) where whose on agreement ages are continued to the Secret. | e undersigned well on the tra Well on the tra Easting: Northing: Access: d farm name: A copy of this land will be understable | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201 |
| Address: 46221 St. Clairsville, OH Notice is here Pursuant to W operation on State: County; District: Quadrangle: Watershed: This Notice S Pursuant to W to be provide horizontal we surface affect information r headquarters. | eby given: est Virginia Code § 22-6A-16(c), the surface owner's land for the put west Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), d by W. Va. Code § 22-6A-10(b) dl; and (3) A proposed surface use ed by oil and gas operations to the elated to horizontal drilling may blocated at 601 57th Street, SE, ault.aspx. | this notice shall to a surface of and compensation extent the dampe obtained from | Address given that th a horizontal TM NAD 8. ublic Road A enerally use include: (1) wner whose on agreemen nages are con the Secret V 25304 (| e undersigned well on the tra Basting: Northing; Access: d farm name: A copy of this land will be understanded arm and ary, at the WV 304-926-0450) | act of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting www.dep.wv.gov/oil-and-Dr., Suite 201 |

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

PECEIVED

Office of Oil and Gas

NOV 0 5 2019

nor negertment of

| Date of Notic | ee: 05/02/2019 Date Permit | Application Filed: | |
|--|---|--|--|
| Delivery met | hod pursuant to West Virginia Code | § 22-6A-16(c) | |
| | FIED MAIL [RN RECEIPT REQUESTED] | HAND DELIVERY | |
| return receipt the planned of required to be drilling of a lidamages to the (d) The notice of notice. | requested or hand delivery, give the superation. The notice required by this provided by subsection (b), section tenorizontal well; and (3) A proposed sue surface affected by oil and gas operated. | arface owner whose land will be used a subsection shall include: (1) A copy of this article to a surface owner who arface use and compensation agreementions to the extent the damages are coren to the surface owner at the address land. | fication, an operator shall, by certified mail for the drilling of a horizontal well notice of of this code section; (2) The information are land will be used in conjunction with the ont containing an offer of compensation for appensable under article six-b of this chapter, isted in the records of the sheriff at the time |
| | s listed in the records of the sheriff at th | | |
| Annual State of the State of th | | NI | |
| Name: Ronnie E | | Name: | |
| Name: Ronnie E Address: 3780 Cameron, WV 260 Notice is her | Grapevine Ridge 2033 eby given; | Address: | |
| Name: Ronnie E Address: 3780 Cameron, WV 260 Notice is her Pursuant to W operation on State: | eby given; Vest Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose west Virginia | Address: the is hereby given that the undersigned a horizontal well on the transfer Easting: | well operator has developed a planned ract of land as follows: 533,591,622 |
| Name: Ronnie E Address: 3780 Cameron, WV 260 Notice is her Pursuant to W operation on State: County: | Grapevine Ridge 233 eby given; Vest Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia Marshall | Address: Lee is hereby given that the undersigned see of drilling a horizontal well on the transport of the second secon | well operator has developed a planned ract of land as follows: 533,591,622 4,404,733,628 |
| Name: Ronnie E Address: 3780 Cameron, WV 260 Notice is her Pursuant to W operation on State: County: District: | Grapevine Ridge 233 eby given: Vest Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia Marshall Liberty | Address: Let is hereby given that the undersigned see of drilling a horizontal well on the tree of th | well operator has developed a planned ract of land as follows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Name: Ronnie E Address: 3780 Cameron, WV 260 Notice is her Pursuant to W operation on State: County: | Grapevine Ridge 233 eby given; Vest Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia Marshall | Address: Lee is hereby given that the undersigned see of drilling a horizontal well on the transport of the second secon | well operator has developed a planned ract of land as follows: 533,591,622 4,404,733,628 |
| Name: Ronnie E Address: 3780 Cameron, WV 266 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to V to be provide horizontal we surface affect information r | eby given: Vest Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose west Virginia Marshall Liberty Cameron Maggoty Run Shall Include: Vest Virginia Code § 22-6A-16(c), this end by W. Va. Code § 22-6A-10(b) to soll; and (3) A proposed surface use and deed by oil and gas operations to the excelled to horizontal drilling may be of located at 601 57th Street, SE, | Address: Determine the is hereby given that the undersigned see of drilling a horizontal well on the transport of the determinent of the determin | well operator has developed a planned ract of land as follows: 533,591.622 4,404,733.628 Grapevine Ridge Drive |
| Name: Ronnie E Address: 3780 Cameron, WV 266 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to V to be provide horizontal we surface affect information in headquarters, | eby given; //est Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: //est Virginia Code § 22-6A-16(c), this land (3) A proposed surface use and led by oil and gas operations to the expelated to horizontal drilling may be of located at 601 57th Street, SE, Chault.aspx. | Address: Determine the is hereby given that the undersigned see of drilling a horizontal well on the transport of the determinent of the determin | well operator has developed a planned ract of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH s code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional V Department of Environmental Protection of the properties of the www.dep.wv.gov/oil-and- |
| Name: Ronnie E Address: 3780 Cameron, WV 266 Notice is her Pursuant to W operation on State: County: District: Quadrangle: Watershed: This Notice S Pursuant to V to be provide horizontal we surface affect information r headquarters, gas/pages/def | eby given; //est Virginia Code § 22-6A-16(c), notice the surface owner's land for the purpose West Virginia Marshall Liberty Cameron Maggoty Run Shall Include: //est Virginia Code § 22-6A-16(c), this land (3) A proposed surface use and led by oil and gas operations to the expelated to horizontal drilling may be of located at 601 57th Street, SE, Chault.aspx. | Address: Dee is hereby given that the undersigned see of drilling a horizontal well on the transport of the deep seems of drilling a horizontal well on the transport of the deep seems of drilling a horizontal well on the transport of the deep seems of the deep se | well operator has developed a planned ract of land as follows: 533,591,622 4,404,733,628 Grapevine Ridge Drive Charles Jamison MSH s code section; (2) The information required used in conjunction with the drilling of an offer of compensation for damages to the der article six-b of this chapter. Additional V Department of Environmental Protection (2) or by visiting www.dep.wv.gov/oil-and-tbr., Suite 201 |

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacvofficer@wv.gov.

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NOV 0 5 2019

W/V Department of Environmental Protection



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

May 22, 2019

Byrd E. White, III Secretary of Transportation

> Jimmy Wriston, P. E. Deputy Secretary/ Acting Commissioner

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the Charles Jamison Pad, Marshall County Charles Jamison MSH 6H Well site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0459 issued to Southwestern Energy for access to the State Road for a well site located off of Ohio County Route 25/1 SLS.

This operator is in compliance with §22-6A-20 of the WV Code. Operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated October 1, 2018.

RECEIVED
Office of Oil and Gas

MOV 0 5 2019

www.Department ofmontal Protection Very Truly Yours,

Gary K. Clayton, P.E.

Dany K. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Cc:

Brittany Woody Southwestern Energy CH, OM, D-6

File

Attachment VI Frac Additives

47 05 425-

| ATT AT A SAME OF THE SAME OF T | The SA Commission of the Commi | August Appendix of American Company and the Company of the Company | | |
|--|--|--|-----------------------------------|-------------------|
| Product Manne | Product Use | Chemical Name | get-stag | CAS Numb |
| AI-303 (U.S. Well Services) | Mixture | Ethylene glycol | | 107-21 1 |
| | | Cinnamaldehyde | | 104-55 2 |
| | | Butyl cellosolve | | 111-76 2 |
| | | Formic acid | | 64-18 6 |
| | | Polyether | | Proprietan |
| | | Acetophenone, thiourea, formaldehyde pol | ymer | 68527-49 |
| AP ONE (U.S. Well Services) | Breaker | Ammonium persulfate | | 7727-54-0 |
| Bactron K-139 (Champion Technologies) | Biocide | Glutaraldehyde | | 111-30-8 |
| - sand in 200 (enample): [Estimologica] | Modrac | | 042.45.40.105.41.1.61.24.1 | |
| | | Quaternary Ammonium Compounds, Benzy Ethanol | I-C12-16-Alkylaimethyl, Chlorides | 68424-85- |
| | | | | 64-17-5 |
| Bactron K-219 (Champion Technologies) | Biocide | Methanol | | 67-56-1 |
| | | Quaternary Ammonium Compounds, Benzy | -C12-16-Alkyldimethyl, Chlorides | 68424-85- |
| CarboNRT | Tracer | Ceramic Proppant | | 66402-68-4 |
| C6486A (Nalco Champion) | Scale Inhibitor | Amine Triphosphate | 1 | Proprietary |
| 200030030 | | Ethylene Glycol | | 107-21-1 |
| C6734A (Champion Technologies) | Biocide | Hydrogen Peroxide | | 7722-84-1 |
| corsan (champion recinologies) | Diocide | Acetic Acid | | 64-19-7 |
| | | Peroxyacetic Acid | | 79-21-0 |
| erano (e) (w) (i) | 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | |
| Econo-Cl200 (SWN Well Services) | Corrosion Inhibitor | Methanol | | 67-56-1 |
| | | Oxyalkylated fatty acid | | 68951-67-7 |
| Lawrence Control | | Fatty acids | | 61790-12-3 |
| | | Modified thiourea polymer | | 68527-49-1 |
| | | Water | | 7732-18-5 |
| | | Hydrochloric acid | | 7647-01-0 |
| | | Potassium acetate | | 127-08-2 |
| | | Formaldehyde | | 50-00-0 |
| copol-FEAC (SWN Well Services) | Iron Control | Acetic Acid | | 64-19-7 |
| | | Citric Acid | | 77-92-9 |
| | | Water | | 7732-18-5 |
| DP-S1176-15 (Halliburton) | Friction Reducer | Polyacylate | | Proprietan |
| DI 31170-15 (Hamourton) | Thetion neducer | Hydrotreated light petroleum distillate | | 64742-47- |
| LOUT DOGGE LDD (CWALWELL Co. 1 1 | Putation Buddiese | Distillates (petroleum) hydrotreated light | | 64674-47- |
| FLOJET DR900 LPP (SWN Well Services) | Friction Reducer | Ethylene Glycol | | 107-21-1 |
| | | Alcohols, C12-16, Exoxylated propoxylated | | 68213-24- |
| | | | | |
| | | Fatty Alcohols ethoxylated | | Proprietan |
| | | Water | | 7732-18-5 |
| FLOJET DRP 1130X (SWN Well Services) | Friction Reducer | Proprietary | | Proprietary |
| R-76 (Halliburton) | Friction Reducer | Hydrotreated light petroleum distillate | | 64742-47-8 |
| | | Inorganic Salt | | Proprietan |
| GYPTRON T-390 (Champion Technologies) | Scale Inhibitor | Methanol | | 67-56-1 |
| | | Nonylphenol Ethoxylate | | Proprietan |
| HAI-150E (Halliburton) | Corrosion Inhibitor | No hazardous substance | | N/A |
| | Hydrocholic Acid | Hydrochloric Acid | | 7647-01-0 |
| HCL (SWN Well Services) | Hydrocholic Acid | Water | | 7732-18-5 |
| | - Andrews | | | |
| LP-65 MC (Halliburton) | Scale Inhibitor | Organic phosphonate | | Proprietar |
| | | Ammonium Chloride | | 12125-02- |
| OPTI-FLEX (U.S. Well Services) | Viscosifying Agent | Distillates, petroleum, hydrotreated light | | 64742-47- |
| Plexslick 930 | Friction Reducer | Copolymer of 2-propenamide | | Proprietar |
| | | Hydrotreated Distillate | | 64742-47- |
| | | Sodium Chloride | 7 | 7647-14-5 |
| | | Alcohols, C12-16, Exoxylated | | 68551-12- |
| | | Oleic Acid Diethanolamide | 2 0 | 93-83-4 |
| | | Ammonium Chloride | A Z H | 12125-02- |
| Plexslick 953 | Friction Reducer | Petroleum Distillate | NØY 0 5 | 64742-47- |
| | Total Heady | Sodium Chloride | RECEIVE OF OFFI | 7647-14-5 |
| | | Ammonium Chloride | 5 00 | 12125-02- |
| | | N,N-bis (2-hydroxyethyl) oleamide | | 93-83-4 |
| at Substanta | permitted of the Car | | | 64742-47- |
| Plexslick 957 | Friction Reducer | Petroleum Distillate | LO | The second second |
| | | Ammonium Chloride | Sas Sas | 12125-02- |
| | | Oleic Acid Diethanolamide | lon is | 93-83-4 |
| | | Alcohols, C12-16, Exoxylated | | 68551-12- |
| | | Water | | 7732-15-5 |
| WFRA-2000 (U.S. Well Services) | Anionic Friction Reducer | Hydrotreated light distillate (petroleum) | | 64742-47- |
| WFRA-2000 (U.S. Well Services) | Amonic i riccion neadeci | Propenoic acid, polymer with propenamide | | 9003-06 9 |

JAMISON DRILL PAD DRILL PAD SITE PLAN SWN PRODUCTION COMPANY, LLC

LAT./LONG: N 39.793506° W -80.608194° (APPROXIMATE CENTER OF PROJECT)

| LOCAL | EMERGENCY SERVICES | |
|-------------------------|-----------------------------|----------------|
| | NAME | TELEPHONE NO |
| AMBULANCE | | 911 |
| HOSPITAL EMERGENCY ROOM | THIO VALLEY MEDICAL CENTER | (304) 234-0123 |
| FIRE DEPARTMENT | | 911 |
| POLICE DEPARTMENT | | 911 |
| POISON CONTROL CENTER | WEST VIRGINIA POISON CENTER | (800) 222-1222 |

| FLOOD P | LAIN CONDITIONS | |
|--------------------------------|----------------------------|-----|
| DO SITE CONSTRUCTION ACTIVITIE | S TAKE PLACE IN FLOODPLAIN | NO |
| PERMIT NEEDED FROM COUNTY F | | NO |
| HEC-RAS STUDY COMPLETED: | | N/A |
| FLOODPLAIN SHOWN ON DRAWINGS: | | NA |
| FIRM WAP NUMBER(S) FOR SITE: | 54651C0200E | |
| ACREAGE OF CONSTRUCTION IN I | LOODPLAIN: 0.00 AC | |

PROJECT OWNER/APPLICANT

SOUTHWESTERN ENERGY COMPANY 10000 ENERGY ORIVE SPRING, TX 77389-4954 PH: (261) 618-2723 CONTACT: STEVE VAN HOOK

CIVIL ENGINEER

CIVIL & ENVIRONMENTAL COTIL & ENVIRONMENTAL
CONSULTANTS, INC.
600 MARKETPLACE AVENUE SUITE 200
BELOGEPORT, IVY 26330
PH; (204) 933-3119
CONTACT; JOSEPH D, ROBINSON, P.E.

WVDCH

DISTRICT SIX PH: (304) 843-4000 CONTACT: DISTRICT ENGINEER

SPILL HOTLINE

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP) PH: (800) 842-3974

APPROVED

WVDEP OOG

7/2/3 9/12/2018

PENNSYLVANIA

MARYLAND

NATIONAL RESPONSE CENTER PH: (500) 424-8802

AREA

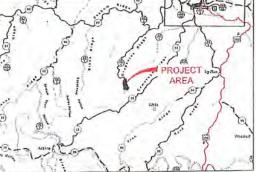


LOCATION MAP CAMERON USGS 7.5' QUAD

SCALE IN FEET

1 1000
1 1000 FEET





VICINITY MAP MARSHALL COUNTY ROAD MAP SCALE IN FEET a (MILES

| WELL RESTRICTIONS CHECKLIST (HORIZONTAL BA WELL) | |
|---|-----|
| AT LEAST 100 FEET FROM PAD AND LOD (INCLUDING ANY EAS CONTROL PEATURE) TO ANY PERENMAL STREAM, LAKE, POND, RESERVOIR OR METLAND. | YES |
| AT LEAST 300 FEET FROM PAD AND LOD IJNOLUDING ANY EAS CONTROL FEATURE) TO ANY NATURALLY PRODUCING TROLIT STREAM: | YES |
| AT LIBST 1000 FROM PAD AND LOD (INCLUDING ANY EAS CONTROL FEATURE) TO ANY GROUNDWATCH INTAKE OR PUBLIC WATER SUPPLY: | YES |
| AT LEAST 250 FEET FROM AN EXISTING WATER WELL OR DRYFLOPED SPRING TO WELL BEING DRILLED: | YES |
| AT LEAST 625 FEET FROM AN OCCUPIED DWELLING STRUCTURE TO CENTER OF PAID: | YES |
| AT LEAST 628 PEET FROM AGRICULTURAL BUILDINGS LANGER THAN 2500 SCHARE FIET TO THE CENTER OF THE PAD: | YES |

- SHEFT INDEX

 1. COVER SHEET

 2. GENERAL NOTES
- GENERAL NOTES
 MASTER LEGEND
 MATERIAL CLIANTITIES
 SITE SAFETY PLAN
 SITE SAFETY PLAN
 EXISTING CONDITIONS
- ISOPACH SOPACH
 EROSION & SECIMENT CONTROL PLAN
 EROSION & SECIMENT CONTROL PLAN
 EROSION & SECIMENT CONTROL PLAN
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 STEPLAN
- 21. DETALS
 22. DETALS
 23. DETALS
 24. DETALS
 25. DETALS
 26. DETALS
 27. RECLAMATION PLAN
 28. RECLAMATION PLAN
 29. RECLAMATION PLAN
- 14. SITE PLAN 15. PROFILES AND SECTIONS

| | OCATION CO | DORDINATES | | |
|---------------------------|------------|-------------|--------------|-------------|
| CITE LOCATIONS | WV83-NF[N | (ORTH ZONE) | UTM | 83-17 |
| SITE LOCATIONS | LATITUDE | LONGITUDE | NORTHING | EASTING |
| MAIN ACCESS ROAD ENTRANCE | 39,765520 | -80.609105 | 4405197.4297 | 533526,9756 |
| CENTROID OF WELL PAD | 39,791942 | -80.607584 | 4404738.8197 | 533598.0332 |
| CENTER OF PRODUCTION PAD | 39.792781 | -80.608056 | 4404836.7936 | 533557.1633 |

10. PROFILES AND SECTIONS 17. PHOFE ES AND SECTIONS

18. PROFILES AND SECTIONS 19. PROFILES AND SECTIONS 20. PROFILES AND SECTIONS 21. PROFILES AND SECTIONS

29. RECLAMATION PLAN

| WET | LAND IMAPA | ITS (SF/AC) | |
|--------------------------|------------|-------------|--|
| WETLAND IMPACT AND CAUSE | AREA (| SF/AC) | CONSTRUCTION DISTURBANCE DISCRIPTION |
| WETLAND B | 535.00 | 0.012 | TOPSOIL/STRIPPING PILE |
| TOTAL | 535.00 | 0.012 | |

| GRADING VOI | UMES | | |
|---|----------|------------|---------|
| DESCRIPTION | CUT (CY) | FILL (CY) | NET (CY |
| MAIN ACCESS ROAD | 1,405 | 29,760 | -28,274 |
| COUNTY ROAD IMPROVEMENT | 5,284 | 9,715 | 4,431 |
| DRILL PAD | 73,157 | 20,878 | 52,281 |
| PRODUCTION PAD | 3,239 | 20,876 | -17,637 |
| STAGING PAD | 801 | 2,111 | -1,310 |
| SPOIL-1 | 0 | 629 | -629 |
| TOTAL | 83,967 | 83,987 | 0 |
| TOPSOIL / STRIPPING (20% SWELL - 15,462 C.Y.) | | 12,885 C.Y | |
| TOTAL EXCAVATION | 26,852 | 96,452 | 0 |

| MARSHALL COUNTY, WEST VIRGINIA | | | | | |
|--------------------------------|-----------|-----------|-------------|--------------------------|---------|
| OWNER | TM-PARCEL | DEED-PAGE | TOTAL ACRES | TYPE OF DISTURBANCE | ACERAGE |
| IAMISON CHARLES & JEAN | 7-6 | 660-113 | 97.20 | MAIN ACCESS ROAD | 4.34 |
| | | | | STAGING AREA | 0.85 |
| | | | | PRODUCTION PAD | 2.91 |
| | | | 2 1 | DRILL PAD | 5.54 |
| | | | | TOPSOIL/STRIPPING PILE 1 | 2,27 |
| | | | 7 | SPOIL PILE 1 | 0.30 |
| | | | | PARCEL TOTAL | 16.21 |
| ZWICK GAIL - LIFE | 7-32 | 652-150 | 27.00 | DRILL PAD | 0.33 |
| | | | | PARCEL TOTAL | 0.33 |
| | | | | TOTAL | 16.54 |

| LO.D. AREAS | | |
|---------------------------|-------|--|
| DESCRIPTION | ACRES | |
| MAIN ACCESS ROAD | 4.34 | |
| STAGING AREA | 0.15 | |
| PRODUCTION PAD | 2.91 | |
| DRICL PAD | 5.87 | |
| TOPSON/STRIPPING PRE 1 | 2.27 | |
| SPOIL PILE 1 | 0.30 | |
| TOTAL | 16.54 | |
| WOODED | 8.03 | |



WELL HEAD LAYOUT





COVER SHEET

Civil &]

SWN PRODUCTION COMPANY, LLC JAMISON DRILL PAD LIBERTY DISTRICT MARSHALL CO, WEST VIRGINIA

YOU DIG!

THE PLANS HAVE BEEN CREATED FOR FLAL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN PLAL DOLOR SHALL NOT SE CONSIDERED ADEQUATE FOR CONSTRUCTION PLAPPOSES. "WARNING"", INFORMATION MAY BE LOST IN COPYING AND/OR GRA-CALE PLD TITING.

PLAN REPRODUCTION WARNING

Eastern

I INCH = I MILE

JAMISON DRILL PAD DRILL PAD SITE PLAN SWN PRODUCTION COMPANY, LLC

LAT,/LONG: N 39.793506° W -80.608194° (APPROXIMATE CENTER OF PROJECT)

| LOCAL | EMERGENCY SERVICES | |
|-------------------------|--|----------------|
| T | NAME | TELEPHONE NO |
| AMBULANCE | | 911 |
| HOSPITAL EMERGENCY ROCM | CHID VALLEY MEDICAL CENTER | (304) 234-0123 |
| FIRE DEPARTMENT | | 911 |
| POLICE DEPARTMENT | The second secon | 911 |
| POISON CONTROL CENTER | WEST YEGUNA POISON CENTER | (600) 222-1222 |

| | LAIN CONDITIONS | |
|---|------------------------------|------|
| DO SITE CONSTRUCTION ACTIVITIE | ES TAKE PLACE IN PLOUDPLAIN: | 110 |
| PERMIT NEEDED FROM COUNTY PLOODPLAN COORDINATOR | | 110 |
| HEC-RAS STUDY COMPLETED: | | 14/2 |
| PLOGOPLAIN SHOWN CHI DRAWIN | 35; | 150 |
| FRAT MAP NUMBER(S) FOR SITE: | | |
| ACREAGE OF CONSTRUCTION IN | LOODPLAIN: 0.00 AC | |

PROJECT OWNER/APPLICANT

SOUTHWESTERN ENERGY COMPANY 10000 ENERGY DRIVE EPRING, TX 71389-4954 PH (281) 618-2723 CONTACT: STEVE YAYI HOOK

CIVIL ENGINEER

CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 643 MARKETPLACE AVEILUE SUITE 200 DRIDGEPORT VAV 28330 PH (304) \$33-3119 CONTACT: JOSEPH D. ROSINSON, P.E.

NISST VIRGINIA STATE LAW REQUIRES THAT YOU CALL TWO BUSINESS DAYS BEFORE YOU OIG IN THE STATE OF WEST VIRGINIA. IT'S THE LAW!

WYDOH

DISTRICT SIX FIE (DOS) \$43-1000 CONTACT: DISTRICT ENGINEER GUS SUWAID

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (W/DEP) PH: (800) 642-5074

PENNSYLVANIA

Eastern

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON AUSID DZ 1247 SHEETS, FOR REGUCTIONS, REFER TO GRAPICO SCALE.









VICINITY MAP MARSHALL COUNTY ROAD MAP SCALE IN FEET 1 WLES



| WELL RESTRICTIONS CHECKLIST (HORIZONTAL BA WELL) | |
|---|-----|
| AT LEAST 100 FEET FROM FAD AND LOD BYCLUCKYG ANY EAS CONTROL FEATURE) TO ANY FERDINNAL STREAM, LAKE, POINT, RESERVOOR OR IVETLAND: | YES |
| AT LEAST 300 FEET FROM FAO AND LOD (INCLUDING ANY EAS CONTROL FEATURIS) TO ANY HARLEALLY PRODUCENS TROUT STREAM. | YES |
| AT LEAST 1000 FROM PAID AND LOG ENCLUDING ANY EAST CONTROL FEATURE) TO ANY GROUNDWATER INTENSION PUBLIC WATER SUPPLY: | YES |
| AT LEAST 250 FEET FROM AN EXISTIVE WATER WELL OR DEVELOPED SPAINS TO WELL DEVING ORILLED: | YES |
| AT LEAST 6/3 FEET FROM AN OCCUPIED DIVELLING STRUCTURE TO CENTER OF FAID, | YES |
| AT LEAST INSPERT FROM ADRIGUATURAL BUILDINGS LARGER THAN 2500 SOLVARS FEET TO THE COUNTY OF THE PAO: | YES |

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16. PROFILES AND SECTIONS

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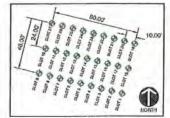
| | OCATION CO | DORDINATES | | |
|---------------------------|------------|-------------|--------------|-------------|
| SITE LOCATIONS | WVE3-NF(I | NORTH ZONE) | UTM | 88-17 |
| SITE LOCATIONS | LATITUDE | LONGITUDE | NORTHING | EASTING |
| MAIN ACCESS ROAD ENTRANCE | 39.765510 | -80,609105 | 4405137.4797 | 533526.9756 |
| CENTROID OF WELL PAD | 39.791942 | -80,607584 | 4494733.8197 | 533598.0332 |
| CENTER OF PRODUCTION PAD | 39.792781 | -50,608056 | 4404836,7936 | 533557.1633 |

| WET | LAND IMAPA | CIS (SF/AC) | |
|--------------------------|------------|-------------|--|
| WETLAND IMPACT AND CAUSE | AREA | SF/AC) | CONSTRUCTION DISTURBANCE DISCRIPTION |
| WETLAND B | 535.00 | 0.017 | TOPSOIL/STRIPPING PILE : |
| TOTAL | 535.00 | 0.012 | |

| GRADING VO | | PAY . | |
|---|------------|-----------|---------|
| DESCRIPTION | CTL (CA) | FILL (CY) | HELICA |
| MAIN ACCESS ROAD | 1,416 | 29,769 | -25,274 |
| COUNTY ROAD IMPROVEMENT | 5,254 | 9,715 | -4,431 |
| DRILLFAD | 13,157 | 20,676 | 52,261 |
| PRODUCTION PAG | 3,210 | 29,676 | -17,637 |
| STAGEIG PAD | 691 | 2,111 | -1,310 |
| SPOR-1 | 0 | 629 | -629 |
| TOTAL | 83,957 | 83,967 | . 0 |
| TOPSOIL / STRIPPING (20% SWELL - 15,462 C.Y.) | 12,885 C.Y | | |
| TOTAL EXCAVATION | 95,852 | 95,652 | 0 |

| | MAI | ISHALL COUNT | Y, WEST VIRGIN | A A | |
|------------------------|------------|--------------|----------------|--------------------------|---------|
| DWNER | THE PARCEL | DEED-PAGE | TOTAL ACRES | TYPE OF DISTURBANCE | ACERAGI |
| JAMISON CHARLES & JEAN | 7-5 | 560-113 | 97.20 | MAIN ACCESS ROAD | 4.34 |
| | | 1. | | STAGING AREA | 0.65 |
| | | | | PEGGUETION PAD | 291 |
| | | | | DRILL PAD | 5.54 |
| | | | | TOPSOIL/STRIPPING FILE 1 | 2.27 |
| | | | | SPOIL PILE 1 | 0.30 |
| | | | | PARCEL TOTAL | 15.21 |
| ZWICK GAIL - UFE | 7-12 | 652-150 | 27.00 | DRILL IMD | 0.93 |
| | | | | PARCIL TOTAL | 0.33 |
| | | | | TOTAL | 16.54 |

| LO.O. ARE | AS . |
|-----------------------------|-------|
| DESCRIPTION | ACRES |
| MAIN ACCESS ROAD | 4.34 |
| STAGENG AREA | 0.85 |
| PRODUCTION PAG | 2.91 |
| DATE FAD | 5.87. |
| TOPSOIL/STRIPPING PILE 1 | 2.27 |
| SPOIL FILE 1 | 0.30 |
| TOTAL | 16.54 |
| WOODED | 6.95 |



WELL HEAD LAYOUT



C000

Civil & Env 600 Marketpla Ph: 304.933

SWN PRODUCTION COMPANY, LLC JAMISON DRILL PAD LIBERTY DISTRICT MARSHALL CO, WEST VIRGINIA

