



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, February 13, 2023
WELL WORK PERMIT
Horizontal 6A / New Drill

MOUNTAIN V OIL & GAS, INC.
P O BOX 904

BUCKHANNON, WV 26201

Re: Permit approval for C3H WV 0489
47-015-03511-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

A blue ink signature of James A. Martin, Chief, is written over the printed name and title.

Operator's Well Number: C3H WV 0489
Farm Name: CHRISTOPHER GROVE
U.S. WELL NUMBER: 47-015-03511-00-00
Horizontal 6A New Drill
Date Issued: 2/13/2023

Promoting a healthy environment.

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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

1. 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.
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.

02/17/2023

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

1) Well Operator: Mountain V Oil & Gas
Operator ID: 310020 County: Clay District: Henry Quadrangle: Elkhurst 7.5'

2) Operator's Well Number: C3H WV0489 Well Pad Name: Brown, Goshorn, Swann Pad C

3) Farm Name/Surface Owner: Christopher Grove etal Public Road Access: CR 13/2

4) Elevation, current ground: 1252' Elevation, proposed post-construction: 1246'

5) Well Type (a) Gas Oil X Underground Storage Other

(b) If Gas Shallow X Deep Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Big Injun, 2093-2140', 47', 300 psi

8) Proposed Total Vertical Depth: 2133'

9) Formation at Total Vertical Depth: Big Injun

10) Proposed Total Measured Depth: 7627'

11) Proposed Horizontal Leg Length: 4000'

12) Approximate Fresh Water Strata Depths: 552'

13) Method to Determine Fresh Water Depths: offset wells - 4701501049, 1050, 1065, 1066 (806) 878

14) Approximate Saltwater Depths: 1400' - Salt Sand

15) Approximate Coal Seam Depths: None

16) Approximate Depth to Possible Void (coal mine, karst, other): Not that we are aware of.

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No X

(a) If Yes, provide Mine Info: Name: Depth: Seam: Owner:

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18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	13.375"	New	J-55	54.5#	42'	42' ✓	Ready Mix
Fresh Water	9.265"	New	A-500	26#	700'	700' ✓	134/CTS ✓
Coal							
Intermediate	7"	New	J-55	20#	2188'	2188' ✓	328/CTS
Production	4.5"	New	N-80	11.6#	7627'	7627' ✓	915/CTS
Tubing							
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	13.375"	20"	0.250"	2730	NA	Ready Mix	NA
Fresh Water	9.625"	12.375"	0.250"	2390	98 ✓	Class A/L	1.13 or 1.18
Coal							
Intermediate	7"	8.75"	0.272"	3740 ✓	771 ✓	Class A/L	1.13 or 1.18
Production	4.5"	6.25"	0.250"	7780 ✓	1400 ✓	Class A/L	1.23
Tubing							
Liners							

PACKERS

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Kind:				
Sizes:				
Depths Set:				

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

Drill a vertical well through the Big injun. Run open hole logs. Plug back to approximately 1271', kick off and drill to a landing point, drill lateral in Big Injun 4000' to MD of 7627'. Run and cement casing.

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

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells, produced water from operator owned wells or water obtained from freshwater sources. This water is combined with sand and a small percentage (less than 0.1%) of chemicals (including HCL acid, friction reducer, biocide, and scale inhibitor etal), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 4500 psi. Maximum anticipated treating rates are expected to average 70 bpm. Stage lengths will vary from 100 to 200 feet. An average of 31,500 gallons of water will be used per stage. Approximately 45,000# of 20/40 sand per stage is expected.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 22.14

22) Area to be disturbed for well pad only, less access road (acres): 4.3

23) Describe centralizer placement for each casing string:

Surface: Bow spring centralizers - one centralizer at shoe and one every 3rd joint.
Intermediate: Bow spring centralizers - one centralizer at shoe and one every other joint.
Production: Solid body centralizer - one centralizer at shoe and one every other joint from shoe to KOP.

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

Conductor: Ready Mix-none ✓
Surface: Class A/L-Calcium Chloride. Used to speed the setting of cement slurries.
Intermediate: Class A/L-Calcium Chloride. Used to speed the setting of cement slurries.
Production: Class A/L-50/50 POZ, 2% gel, 10% salt, 0.5% fluid loss

25) Proposed borehole conditioning procedures:

Surface: Circulate hole clean while rotating & reciprocating drill sting until cutting diminish at surface.
Intermediate: Circulate hole clean while rotating & reciprocating drill sting until cutting diminish at surface.
Production: Perform a cleanup cycle by pumping bottoms up until shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

*Note: Attach additional sheets as needed.

4701503511



PO Box 904
Buckhannon WV 26201

Office: 304-842-6320
Fax: 304-842-0016

December 21, 2022

Mr. Taylor Brewer
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

RE: Class L Cement Variance Request
Mountain V Oil and Gas Horizontal wells in WV
Clay and Gilmer Counties, WV

Dear Mr. Brewer,

Mountain V Oil and Gas has been notified by its cement providers that they can no longer guarantee the availability of Class A cement. As a result of this, Mountain V is requesting the option to utilize Class L cement, if necessary, in place of Class A cement for its cement jobs for its proposed horizontal wells in Clay and Gilmer Counties.

The variance request from Legislative Rule 35CSR8, Section 9.2.h.8, related to the use of Class L cement, was approved by the Office of Oil and Gas on September 13, 2022. A copy of the variance is included with this request.

If you have any questions, please do not hesitate to contact me at (304) 266-4707.

Sincerely,

Dee Southall
Regulatory Analyst

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west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 11.5 AND LEGISLATIVE RULE)
35CSR8 SECTION 9.2.h.8.,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-14

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well construction.

FINDINGS OF FACT

1. On July 14, 2022, Northeast Natural Energy (NNE) submitted a variance request from Legislative Rule 35CSR8 Section 9.2.h.8., for the use of API Class L cement in place of API Class A cement, relating to the construction of horizontal wells.
2. Laboratory analysis submitted by NNE on July 14, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR4 Section 11.5., for the use of API Class L cement in place of API Class A cement, relating to the construction of vertical wells.

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4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.


ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well construction subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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


James Martin, Chief
Office of Oil and Gas

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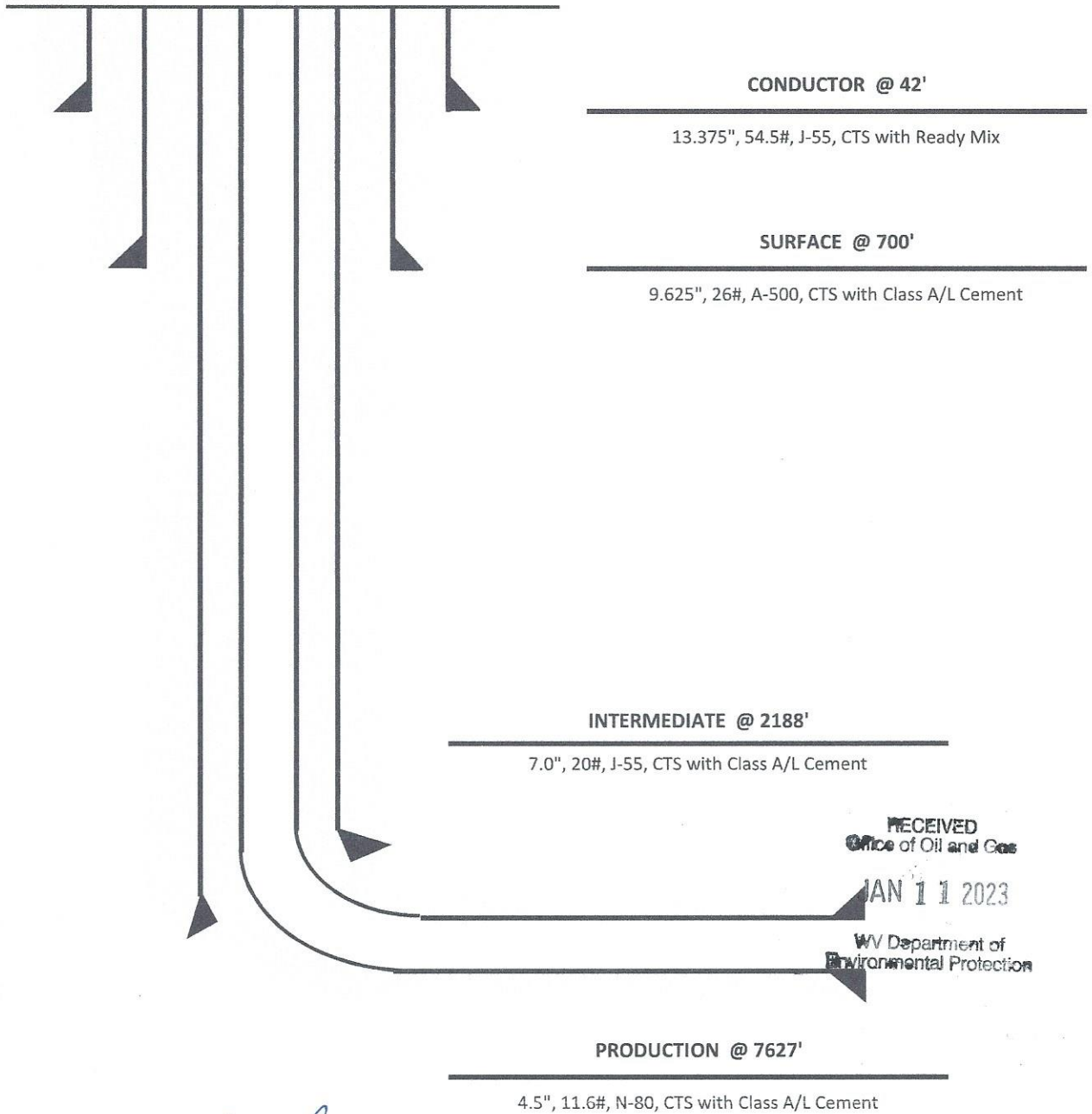
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Environmental Protection

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Permit Number:

Well Name:	Brown, Goshorn, Swann C-3H WV0489
Elevation:	Ground: 1250', Proposed: 1246'
Location:	Henry District, Clay County, WV



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NOT TO SCALE

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Mountain V Oil and Gas OP Code 310020

Watershed (HUC 10) Hornor Fork & Laurel Creek Quadrangle Elkhurst 7.5'

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: Drill Cuttings, Drilling Fluids(brine water)

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 60 mil

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number D04103175003, 2D09703422002)
- Reuse (at API Number BGS C-1H WV0476, applying for permit currently)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: No

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

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? PHPA aka Drill A or EZ Mud

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in Pit / Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Lime

-Landfill or offsite name/permit number? WM-Meadowfill Landfill, Bridgeport, WV, SWF1032-98 #WV-100785

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature [Signature]

Company Official (Typed Name) Mike Shaver

Company Official Title President



Subscribed and sworn before me this 27th day of December, 2022

Notary Public

My commission expires Feb. 11, 2026

02/17/2023

Mountain V Oil and Gas

Proposed Revegetation Treatment: Acres Disturbed 22.14 Prevegetation pH 6.8

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 700 lbs/acre

Mulch Hay 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Jeremy James

Comments: _____

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Title: inspector OOG Date: 12-28-22

Field Reviewed? Yes No

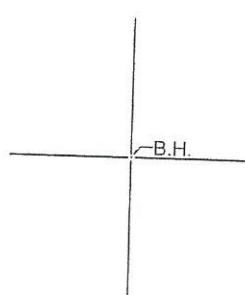
**MOUNTAIN V OIL & GAS, INC.
BROWN, GOSHORN, &
SWANN LEASE-14,250 ACRES
WELL C3H WV0489**

9,703' B.H.

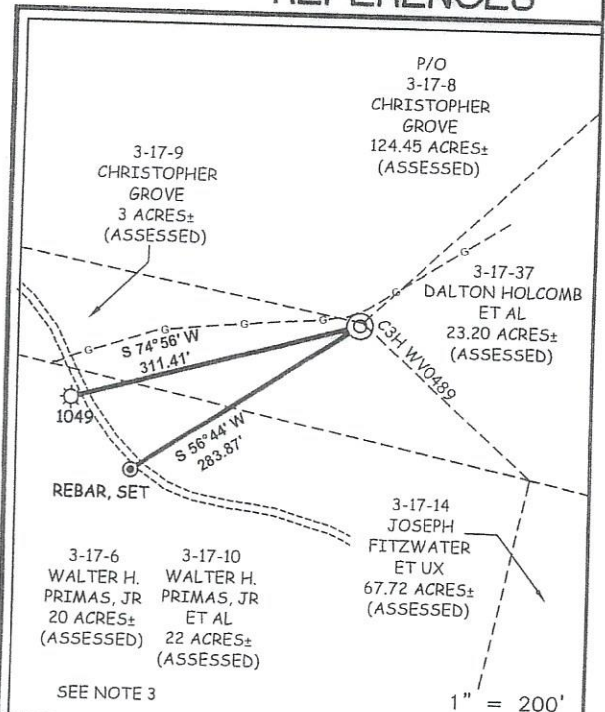
1,190' T.H.

T.H. LATITUDE 38°30'00"
B.H. LATITUDE 38°30'00"

T.H. LONGITUDE 80°10'00"
B.H. LONGITUDE 80°07'30"
4,052' T.H.
7,878' B.H.



REFERENCES



(S.P.C. SOUTH ZONE) (UTM(M) ZONE 17 NORTH)-

NAD'83 S.P.C.(FT)	N. 542,202.38	E. 1,919,606.67
NAD'83 GEO.	LAT-(N) 38.488875	LONG-(W) 81.170823
NAD'83 UTM (M)	N. 4,260,072.81	E. 485,102.33
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 540,765.0	E. 1,919,810.6
NAD'83 GEO.	LAT-(N) 38.484929	LONG-(W) 81.170101
NAD'83 UTM (M)	N. 4,259,634.9	E. 485,164.4
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 538,370.1	E. 1,923,014.3
NAD'83 GEO.	LAT-(N) 38.478368	LONG-(W) 81.158894
NAD'83 UTM (M)	N. 4,258,905.1	E. 486,140.6

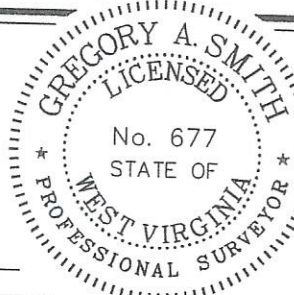
NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'
- DUE TO POOR METES & BOUNDS DEED DESCRIPTIONS, THE BOUNDARY BETWEEN PARCELS 3-17-6 & 3-17-10 CANNOT BE MAPPED WITH ANY CERTAINTY.



12 Carolina Drive | P.O. Box 100 | Charlotte, WV 26304 | 304.667.4552
1412 Riverside Boulevard, East | Charleston, WV 25314 | 304.266.3882
254 East Rockley Bypass | Beckley, WV 26011 | 304.266.5596
sivv.com

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE DECEMBER 21, 20 22
 REVISED _____, 20 _____
 OPERATORS WELL NO. C3H WV0489
 API WELL NO. 47 - 015 - 03511
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9235-MTV-SURV-PLATC3H-R01-221220-CPM.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY: DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: GROUND = 1,251.90' ELEVATION PROPOSED = 1,246.35' WATERSHED HORNER FORK & LAUREL CREEK
 DISTRICT HENRY COUNTY CLAY QUADRANGLE ELKHURST 7.5'
 SURFACE OWNER CHRISTOPHER GROVE ACREAGE 3±
 ROYALTY OWNER BROWN, GOSHORN, & SWANN ACREAGE 14,250±
 PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD _____
 FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BIG INJUN
 ESTIMATED DEPTH TVD: 2,133' / TMD: 7,626.78'

WELL OPERATOR MOUNTAIN V OIL AND GAS INC. DESIGNATED AGENT MIKE SHAVER
 ADDRESS P.O. BOX 904 ADDRESS P.O. BOX 904
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

COUNTY NAME PERMIT

02/17/2023

**MOUNTAIN V OIL & GAS, INC.
BROWN, GOSHORN, &
SWANN LEASE-14,250 ACRES
WELL C3H WV0489**

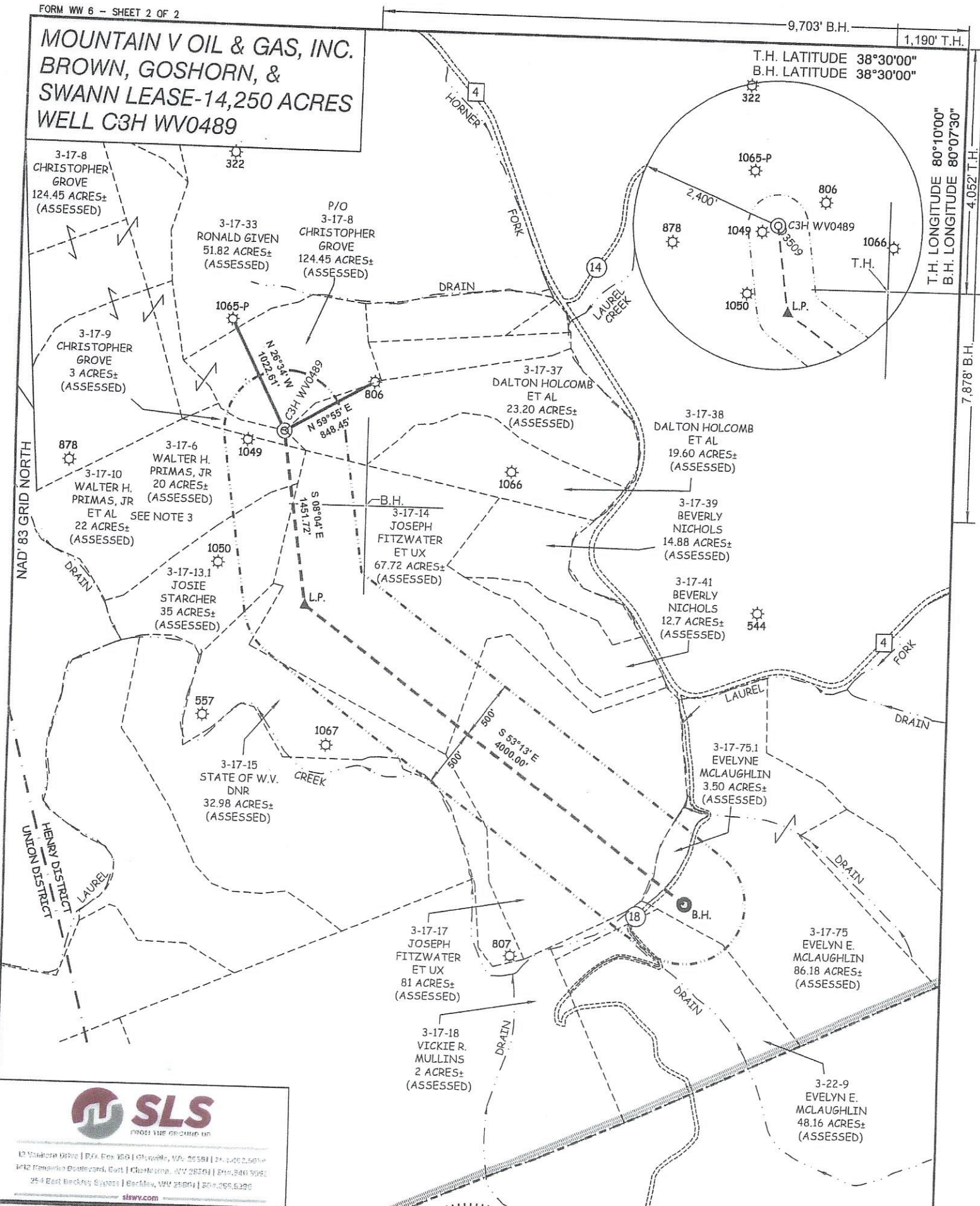
9,703' B.H. 1,190' T.H.

T.H. LATITUDE 38°30'00"
B.H. LATITUDE 38°30'00"

T.H. LONGITUDE 80°10'00"
B.H. LONGITUDE 80°07'30"

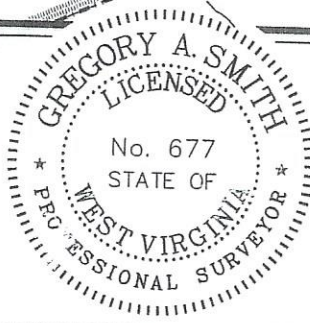
7,878' B.H.

4,052' T.H.



10 Mountain Drive | P.O. Box 904 | Charleston, WV 25301 | 248-200-2500
412 Kanawha Boulevard, East | Charleston, WV 25304 | 248-340-5100
254 East Beckley Express | Beckley, WV 25804 | 204-299-6200
slsvw.com

(S.P.C. SOUTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'83 S.P.C.(FT)	N. 542,202.38	E. 1,919,606.67	
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BOTTOM HOLE			
NAD'83 S.P.C.(FT)	N. 538,570.1	E. 1,923,014.3	
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NAD'83 UTM (M)	N. 4,258,905.1	E. 486,140.6	



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

P.S. 677 *Gregory A. Smith*

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL

02/17/2023

SCALE 1" = 1000' FILE NO. 9235-MTV-SURV-PLATC3H-R01-221220-CPM.dwg

DATE DECEMBER 21, 20 22

REVISED _____, 20 ____

OPERATORS WELL NO. C3H WV0489

API WELL NO. 47 - 015 - 03511

STATE COUNTY PERMIT

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



WELL OPERATOR MOUNTAIN V OIL AND GAS INC. DESIGNATED AGENT MIKE SHAVER

ADDRESS P.O. BOX 904 ADDRESS P.O. BOX 904

BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

COUNTY NAME PERMIT

**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
Brown, Goshorn, W.A. McCorkle et al	W.A. McCorkle et al	United Fuel Gas Co.	1/8th	LB 9/424
	W.F. Goshorn Heirs	United States Nat. Gas	1/8th	LB 14/273
Farm Out	Diversified Prod. LLC dated 4-4-2022	Mountain V Oil & Gas, Inc.	1/8th	36/503

**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: Mountain V Oil & Gas, Inc.
 By: Mike Shaver
 Its: President



PO Box 904
Buckhannon WV 26201

Office: 304-842-6320
Fax: 304-842-0016

December 21, 2022

Mr. Taylor Brewer
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

RE: Brown Goshorn Swann C-3H WV0489 Well
Henry District, Clay County

Dear Mr. Brewer,

Mountain V Oil and Gas is applying for a new well work permit for the above referenced well. Upon information and belief, the Operator's lease and/or other real property rights permit it to conduct drilling operations for the subject wells in the location shown on the plats, including under any public roads the well lateral crosses.

If you have any questions, please do not hesitate to contact me at (304) 266-4707.

Sincerely,

Dee Southall
Regulatory Analyst

RECEIVED
Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

02/17/2023

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

Date of Notice Certification: 1/9/23

API No. 47- 015 -
Operator's Well No. C3H WV0489
Well Pad Name: Brown, Goshorn, Swann Pad C

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>WV</u>	UTM NAD 83	Easting: <u>485,102.33</u>
County: <u>Clay</u>		Northing: <u>4,260,072.81</u>
District: <u>Henry</u>	Public Road Access: <u>CR 13/2</u>	
Quadrangle: <u>Elkhurst 7.5'</u>	Generally used farm name: <u>Brown, Goshorn, Swann Pad C</u>	
Watershed: <u>Horne Fork & Laurel Creek</u>		

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY		OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY	or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	
<input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY	or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED	
<input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL	or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or	
	<input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION		
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE		
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		

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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.

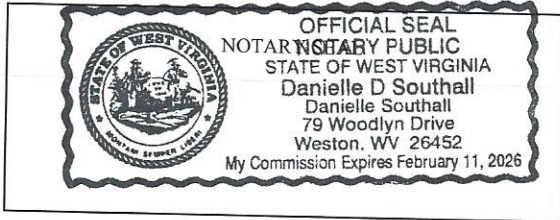
02/17/2023

Certification of Notice is hereby given:

THEREFORE, I Mike Shaver, 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: Mountain V Oil and Gas
By: Mike Shaver
Its: President
Telephone: (304) 842-6320

Address: PO Box 904
Buckhannon, WV 26201
Facsimile: (304) 842-0016
Email: smsnaver@earthlink.net



Subscribed and sworn before me this 27th December day of 2022.
[Signature] Notary Public
My Commission Expires Feb. 11, 2026

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 deprivacyofficer@wv.gov.

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Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

02/17/2023

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 the filing date of permit application.

Date of Notice: 1/9/23 Date Permit Application Filed: 1/9/23

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A 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:

SURFACE OWNER(s)

Name: See Attached
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

COAL OPERATOR

Name: _____
Address: _____

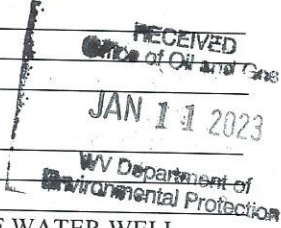
SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: _____
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary



02/17/2023

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.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
JAN 11 2023

Well Location Restrictions

WV Department of Environmental Protection

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

02/17/2023

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(d) 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

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Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

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.**

02/17/2023

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.

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Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

02/17/2023

Notice is hereby given by:

Well Operator: Mountain V Oil & Gas

Telephone: (304) 842-6320

Email: smshaver@earthlink.net

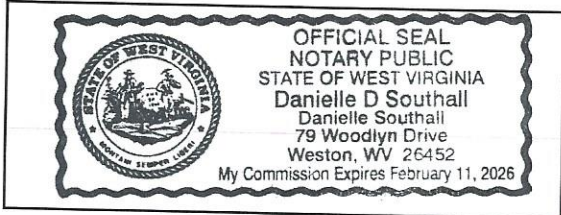
Address: PO Box 904

Buckhannon, WV 26201

Facsimile: (304) 842-0016

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.



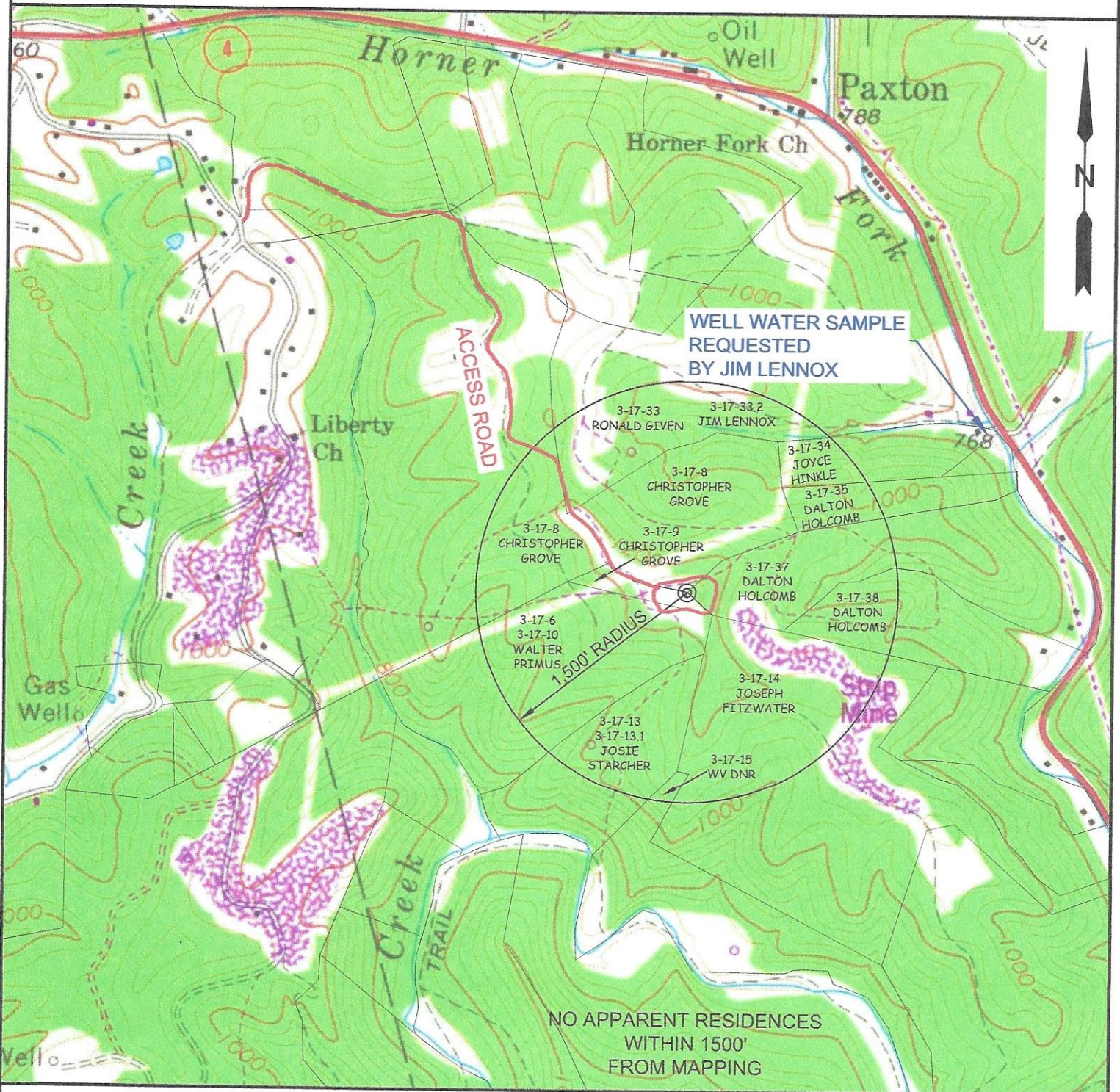
Subscribed and sworn before me this 27th day of December, 2022.

My Commission Expires Feb. 11, 2026

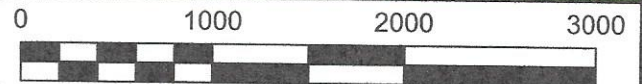
Notary Public

RECEIVED
Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

BROWN, GOSHORN, & SWANN LEASE PROPOSED WELL C3H WV0489



■ = APPARENT RESIDENCES FROM MAPPING



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
 slsvw.com

TOPO SECTION:		OPERATOR:	
ELKHURST 7.5'		PREPARED FOR: MOUNTAIN V OIL & GAS, INC. P.O. BOX 904 BUCKHANNON, WV 26201	
COUNTY	DISTRICT		
CLAY	HENRY		
DRAWN BY	JOB NO.	DATE	SCALE
C.P.M.	9235	02-02-2023	1" - 1000'



02/17/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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 Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Date of Notice: 12/27/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Dallon Holcomb, et al Name: _____
Address: 5015 Precious Maysel Road Address: _____
Procius, WV 25164

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Homer Fork & Laurel Creek

This Notice Shall Include:

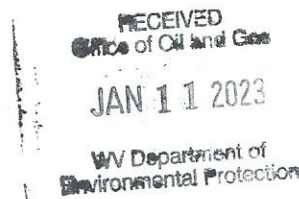
Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained 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.

Notice is hereby given by:

Well Operator: Mountain V Oil and Gas Authorized Representative: Mike Shaver
Address: PO Box 904 Address: PO Box 904
Buckhannon, WV 26201 Buckhannon, WV 26201
Telephone: (304) 842-6320 Telephone: 304) 842-6320
Email: sms haver@earthlink.net Email: sms haver@earthlink.net
Facsimile: (304) 842-0016 Facsimile: 304) 842-0016

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.



02/17/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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 Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Arlotta J. Davis Name: _____
Address: 81 Jeanie Lane Address: _____
Proclous, WV 25164 _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Horne Fork & Laurel Creek

This Notice Shall Include:

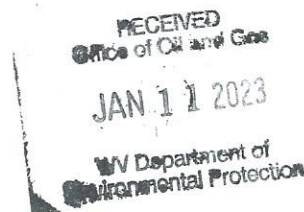
Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained 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.

Notice is hereby given by:

Well Operator: Mountain V Oil and Gas Authorized Representative: Mike Shaver
Address: PO Box 904 Address: PO Box 904
Buckhannon, WV 26201 Buckhannon, WV 26201
Telephone: (304) 842-6320 Telephone: 304) 842-6320
Email: smsnaver@earthlink.net Email: smsnaver@earthlink.net
Facsimile: (304) 842-0016 Facsimile: 304) 842-0016

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02/17/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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 Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 10/2/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Joseph Fitzwater
Address: 15 Lacy Hollow Road
Charleston, WV 25311

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV Easting: 485,102.33
County: Clay UTM NAD 83 Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Hornor Fork & Laurel Creek

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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.

Notice is hereby given by:

Well Operator: Mountain V Oil and Gas
Address: PO Box 904
Buckhannon, WV 26201
Telephone: (304) 842-6320
Email: smsnaver@earthlink.net
Facsimile: (304) 842-0016

Authorized Representative: Mike Shaver
Address: PO Box 904
Buckhannon, WV 26201
Telephone: 304) 842-6320
Email: smsnaver@earthlink.net
Facsimile: 304) 842-0016

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RECEIVED
Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

02/17/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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 Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

- HAND DELIVERY
- CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Jim Lennox
Address: 30 Lennox Lane
Proclous, WV 25164

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV Easting: 485,102.33
County: Clay UTM NAD 83 Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Horner Fork & Laurel Creek

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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.

Notice is hereby given by:

Well Operator: Mountain V Oil and Gas
Address: PO Box 904
Buckhannon, WV 26201
Telephone: (304) 842-6320
Email: smshaver@earthlink.net
Facsimile: (304) 842-0016

Authorized Representative: Mike Shaver
Address: PO Box 904
Buckhannon, WV 26201
Telephone: 304) 842-6320
Email: smshaver@earthlink.net
Facsimile: 304) 842-0016

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RECEIVED
Office of Oil and Gas
JAN 11 2023
WV Department of
Environmental Protection

02/17/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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 Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Ronald Given Name: _____
Address: 3313 W. Salem Road Address: _____
Burbank, OH 44214

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Hornor Fork & Laurel Creek

This Notice Shall Include:

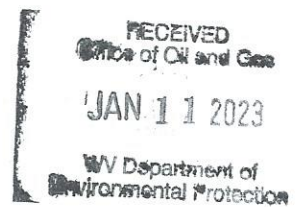
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Notice is hereby given by:

Well Operator: Mountain V Oil and Gas Authorized Representative: Mike Shaver
Address: PO Box 904 Address: PO Box 904
Buckhannon, WV 26201 Buckhannon, WV 26201
Telephone: (304) 842-6320 Telephone: 304) 842-6320
Email: smsnaver@earthlink.net Email: smsnaver@earthlink.net
Facsimile: (304) 842-0016 Facsimile: 304) 842-0016

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02/17/2023

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.

Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Christopher Grove
Address: 444 Finzel Road
Frostburg, MD 21532

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Hornor Fork & Laurel Creek

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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.

Notice is hereby given by:

Well Operator: Mountain V Oil and Gas
Address: PO Box 904
Buckhannon, WV 26201
Telephone: (304) 842-6320
Email: sms haver@earthlink.net
Facsimile: (304) 842-0016

Authorized Representative: Mike Shaver
Address: PO Box 904
Buckhannon, WV 26201
Telephone: 304) 842-6320
Email: sms haver@earthlink.net
Facsimile: 304) 842-0016

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RECEIVED
Office of Oil and Gas

JAN 11 2023

WV Department of
Environmental Protection

02/17/2023

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/16/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Walter Primas, Jr. Name: _____
Address: 528 Left Fork of Twistabout Road Address: _____
Proclous, WV 25164

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV Easting: 485,102.33
County: Clay UTM NAD 83 Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Homer Fork & Laurel Creek

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. 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.

Notice is hereby given by:

Well Operator: Mountain V Oil and Gas Authorized Representative: Mike Shaver
Address: PO Box 904 Address: PO Box 904
Buckhannon, WV 26201 Buckhannon, WV 26201
Telephone: (304) 842-6320 Telephone: 304) 842-6320
Email: smshaver@earthlink.net Email: smshaver@earthlink.net
Facsimile: (304) 842-0016 Facsimile: 304) 842-0016

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RECEIVED
Office of Oil and Gas

JAN 11 2023

WV Department of
Environmental Protection

02/17/2023

4701503511

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

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Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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Notice is hereby provided to the SURFACE OWNER(s):

Name: Gerald Taylor, et ux Name: _____
Address: 266 Left Fork Of Twistabout Road Address: _____
Precious, WV 25164

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV Easting: 485,102.33
County: Clay UTM NAD 83 Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Horne Fork & Laurel Creek

This Notice Shall Include:

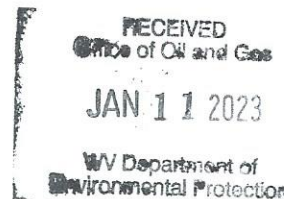
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Notice is hereby given by:

Well Operator: Mountain V Oil and Gas Authorized Representative: Mike Shaver
Address: PO Box 904 Address: PO Box 904
Buckhannon, WV 26201 Buckhannon, WV 26201
Telephone: (304) 842-6320 Telephone: 304) 842-6320
Email: sms haver@earthlink.net Email: sms haver@earthlink.net
Facsimile: (304) 842-0016 Facsimile: 304) 842-0016

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02/17/2023

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 12/27/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL RETURN RECEIPT REQUESTED
- HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: Dalton Holcomb, et al Name: _____
 Address: 5015 Precious Maysel Road Address: _____
Procious, WV 25164

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>WV</u>	UTM NAD 83	Easting:	<u>485,102.33</u>
County:	<u>Clay</u>		Northing:	<u>4,260,072.81</u>
District:	<u>Henry</u>	Public Road Access:	<u>CR 13/2</u>	
Quadrangle:	<u>Elkhurst 7.5'</u>	Generally used farm name:	<u>Brown, Goshorn, Swann Pad C</u>	
Watershed:	<u>Homer Fork & Laurel Creek</u>			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. 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 Operator:	<u>Mountain V Oil and Gas</u>	Address:	<u>PO Box 904</u>
Telephone:	<u>(304) 842-6320</u>		<u>Buckhannon, WV 26201</u>
Email:	<u>smsnaver@earthlink.net</u>	Facsimile:	<u>(304) 842-0016</u>

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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

RECEIVED
Office of Oil and Gas

JAN 11 2023

WV Department of
Environmental Protection

02/17/2023

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 02/17/23 Date Permit Application Filed: 1/17/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL RETURN RECEIPT REQUESTED
- HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Arletta J. Davis
Address: 81 Jeanie Lane
Proclous, WV 25164

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>WV</u>	UTM NAD 83	Easting:	<u>485,102.33</u>
County:	<u>Clay</u>		Northing:	<u>4,260,072.81</u>
District:	<u>Henry</u>	Public Road Access:	<u>CR 13/2</u>	
Quadrangle:	<u>Elkhurst 7.5'</u>	Generally used farm name:	<u>Brown, Goshorn, Swann Pad C</u>	
Watershed:	<u>Horne Fork & Laurel Creek</u>			

This Notice Shall Include:

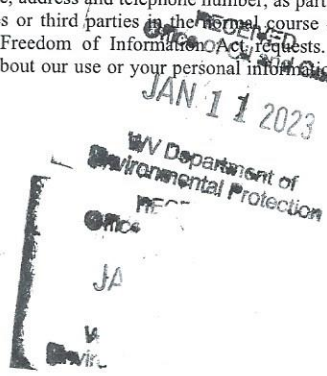
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Well Operator: Mountain V Oil and Gas
Telephone: (304) 842-6320
Email: smshaver@earthlink.net

Address: PO Box 904
Buckhannon, WV 26201
Facsimile: (304) 842-0016

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02/17/2023

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL RETURN RECEIPT REQUESTED HAND DELIVERY

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Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Joseph Fitzwater
Address: 15 Lacy Hollow Road
Charleston, WV 25311

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Homer Fork & Laurel Creek

This Notice Shall Include:

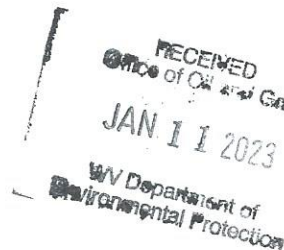
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Well Operator: Mountain V Oil and Gas
Telephone: (304) 842-6320
Email: smshaver@earthlink.net

Address: PO Box 904
Buckhannon, WV 26201
Facsimile: (304) 842-0016

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02/17/2023

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 12/21/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

CERTIFIED MAIL RETURN RECEIPT REQUESTED HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Walter Primas, Jr.
Address: 528 Left Fork of Twistabout Road
Procious, WV 25164

Name: _____
Address: _____

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
Watershed: Homer Fork & Laurel Creek

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by W. Va. Code § 22-6A-10(b) to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. 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 Operator: Mountain V Oil and Gas
Telephone: (304) 842-8320
Email: smshaver@earthlink.net

Address: PO Box 904
Buckhannon, WV 26201
Facsimile: (304) 842-0016

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JAN 11 2023
WV Department of
Environmental Protection

02/17/2023

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 12/17/22 Date Permit Application Filed: 1/17/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

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Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: Christopher Grove	Name: _____
Address: 444 Finzel Road	Address: _____
Frostburg, MD 21532	_____

Notice is hereby given:

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State: WV	UTM NAD 83	Easting: 485,102.33
County: Clay		Northing: 4,260,072.81
District: Henry	Public Road Access:	CR 13/2
Quadrangle: Elkhurst 7.5'	Generally used farm name:	Brown, Goshorn, Swann Pad C
Watershed: Horner Fork & Laurel Creek		

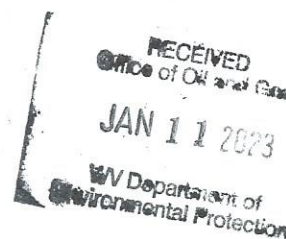
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Well Operator: Mountain V Oil and Gas	Address: PO Box 904
Telephone: (304) 842-6320	Buckhannon, WV 26201
Email: smshaver@earthlink.net	Facsimile: (304) 842-0016

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02/17/2023

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 02/17/23 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

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Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Ronald Given
Address: 3313 W. Salem Road
Burbank, OH 44214

Name: _____
Address: _____

Notice is hereby given:

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State: WV
County: Clay
District: Henry
Quadrangle: Elkhurst 7.5'
Watershed: Horner Fork & Laurel Creek

UTM NAD 83 Easting: 485,102.33
Northing: 4,280,072.81
Public Road Access: CR 13/2
Generally used farm name: Brown, Goshorn, Swann Pad C

This Notice Shall Include:

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Well Operator: Mountain V Oil and Gas
Telephone: (304) 842-8320
Email: smshaver@earthlink.net

Address: PO Box 904
Buckhannon, WV 26201
Facsimile: (304) 842-0016

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 12/27/22 Date Permit Application Filed: 1/9/23

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

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Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Jim Lennox Name: _____
Address: 30 Lennox Lane Address: _____
Proclous, WV 25164

Notice is hereby given:

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State: WV UTM NAD 83 Easting: 485,102.33
County: Clay Northing: 4,260,072.81
District: Henry Public Road Access: CR 13/2
Quadrangle: Elkhurst 7.5' Generally used farm name: Brown, Goshorn, Swann Pad C
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Telephone: (304) 842-6320 Buckhannon, WV 26201
Email: smshaver@earthlink.net Facsimile: (304) 842-0016

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WV Department of
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 12/27/22 Date Permit Application Filed: 1/19/23

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Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Gerald Taylor, et ux Name: _____
Address: 266 Left Fork Of Twistabout Road Address: _____
Prociuous, WV 25164

Notice is hereby given:

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Email: smshaver@earthlink.net Facsimile: (304) 842-0016

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Office of Oil and Gas

JAN 11 2023

WV Department of
Environmental Protection

02/17/2023



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
Division of Highways

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

D. Alan Reed, P.E.
 State Highway Engineer

Jimmy Wriston, P. E.
 Secretary of Transportation
 Commissioner of Highways

December 30, 2022

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 Swann Pad, Clay County
 C3H WV0488 Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #01-2022-0587 which has been issued to Mountain V Oil and Gas LLC for access to the State Road for a well site located off Clay County Route 13/2 SLS MP 1.17.

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. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

Gary K. Clayton, P.E.
 Regional Operations Engineer
 Central Office O&G Coordinator

Cc: Dee Southall
 Mountain V Oil and Gas LLC
 CH, OM, D-1
 File

RECEIVED
 Office of Oil and Gas

JAN 11 2023

WV Department of
 Environmental Protection

Anticipated Stimulation Additives Names and CAS #s

<u>MATERIAL</u>	<u>INGREDIENT</u>	<u>CAS NUMBER</u>
Sand(Proppant)	Silica Substrate	14808-60-7
Water	Water	7732-18-5
Hydrochloric Acid	Hydrogen Chloride	7647-01-0
IC-1100 iron control	Sodium Gluconate	527-07-1
AI-600 acid inhibitor	Ethylene Glycol	107-21-1
	N,N-Dimethylformamide	68-12-2
	2-Butoxyethanol	111-76-2
	Cinnamaldehyde	104-55-2
	Nonyl Phenol Ethoxylate, Branched	127087-87-0
	Tar Bases, Quinolone Derivs, Benzyl Chloride	72480-70-7
	1-Decanol	112-30-1
	1-Octanol	111-87-5
	Isopropanol	67-63-0
	Triethyl Phosphate	78-40-0
FR-9750 friction Reducer	Distillates(petroleum), hydrotreated light	64742-47-8
	Alcohols, C11-14-iso, C13-rich ethoxylated	78330-21-9AP-
1 FR breaker	Ammonium Peroxydisulfate	7727-54-0
CC-200 clay control	Ethylene Glycol	107-21-1
	Quaternary Ammonium Compound	26062-79-3
NE-50 non emulsifier	Isopropyl Alcohol	67-63-0
	Dimethylcocamine,bis-ether, ammonium salt	68607-28-3
	Methanol	67-56-1
	Dimethylcocamine	61788-93-0
CS-50CX nano surfactant	Surfactant 1	Proprietary
Paraclear-paraffin solvent	Toluene	108-88-3
	1,3-Dimethyl Benzene	108-38-3
	Polyalkylene glycol alkylphenyl ether	9002-93-1
	Methanol	67-56-1
	1,4-Dimethyl Benzene	106-42-3
	Ethyl Benzene	100-41-4
	Dodecylbenzenesulfonic acid, ethanolamine salt	26836-07-7
	Butyl Cellosolve	111-76-2
	1,2-Dimethylbenzene	95-47-6
	2-Ethylhexanol	104-67-9
	Benzene	71-43-2
Bioclear 5000 biocide	2,2-Dibromo-3-nitrilopropionamide	10222-01-2

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Office of Air Quality
JAN 11 2023

WV Department of
Environmental Protection

02/17/2023

OPERATOR: Mountain V Oil and Gas

WELL NO: C3H WV0489

PAD NAME: Brown, Goshorn, Swann Pad C

REVIEWED BY: _____

SIGNATURE: 

WELL RESTRICTIONS CHECKLIST

HORIZONTAL 6A WELL

Well Restrictions

At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR

DEP Waiver and Permit Conditions

At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR

DEP Waiver and Permit Conditions

At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR

DEP Waiver and Permit Conditions

At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

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