



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Friday, January 26, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for WV 606226 C. M. GARRETT 6226
47-021-01695-00-00

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

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

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

James A. Martin
Chief

Operator's Well Number: WV 606226 C. M. GARRETT 6226
Farm Name: BEAVER, CHARLES P.
U.S. WELL NUMBER: 47-021-01695-00-00
Vertical / Plugging
Date Issued: 1/26/2018

Promoting a healthy environment.

01/26/2018

PERMIT CONDITIONS

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

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

21-01695 P

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: November 9, 2017
Operator's Well _____
Well No. 606226 (Garrett #6226)
API Well No.: 47 021 - 01695

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

CK # 21606
11-14-17
\$1,000

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil _____ Gas X Liquid Injection _____ Waste Disposal _____
If Gas, Production X Or Underground storage _____ Deep _____ Shallow X

5) Elevation: 1083 ft. Watershed: Horn Creek
Location: Troy County: Gilmer Quadrangle: Auburn 7.5'
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Danny Mullins
Name: 220 Jack Acres Road
Address: Buckhannon, WV 26201

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:
See Attachment for details and procedures.

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector Danny Mullins Date 12-4-17

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Office of Oil and Gas
DEC 10 2017
WV Department of Environmental Protection
01/26/2018

PLUGGING PROGNOS

606226
 C.M.Garrett #6226
 API# 47-021-01695
 District, Troy
 Gilmer County, WV

BY: R Green
 DATE: 10/08/17

CURRENT STATUS:

TD @ 2143'
Elevation @ 1071'

10" casing @ 142'
 8 1/4" casing @ 1100' (Pulled)
 5 3/16" casing @ 2090'
 2" tubing @ 2088'

Fresh Water @ None Reported
Saltwater @ None Reported
Oil Show @ 2079'
Gas shows @ 2090'
Coal @ None Reported

1. Notify inspector, Danny Mullins, @ 304-932-6844, 24 hrs. prior to commencing operations.
2. TOOH 2" tubing, TIH and check TD @ or below 2125'.
3. TIH, spot 30 bbl. of 6% gelled water followed by a 200' C1A cement plug, 2125' to 1925'. (Gas show @ 2090', oil show @ 2079', & 5 3/16" casing seat). WOC 8 hrs. Tag TOC add additional C1A cement if necessary.
4. Free point 5 3/16" casing, cut casing @ free point, TOOH 5 3/16" casing.
5. Set a 100' C1A cement plug 50' in/out of casing cut. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
6. TOOH to 1200' set a 300' C1A cement plug 1200' to 900' (8 1/4" casing seat, elevation).
7. TOOH to 500' set a 400' C1A cement plug 500' to 100'. (10" casing seat).
8. Free point 10" casing, cut casing @ free point, TOOH 10" casing.
9. Set a C1A cement plug 50' in casing cut to surface. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
10. * Note, if unable to cut and pull 10", TIH and perforate 10" casing with 4 holes @ 75'. TIH to 100' set a 100' C1A cement plug 100' to surface.
11. Erect monument with API#, date plugged, & company name.
12. Reclaim location and road to WV-DEP specifications.

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 Environmental Protection

01/26/2018

21-01695P

06-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 6

Quadrangle Hollersock
Permit No. Q11695

WELL RECORD

Oil or Gas Well (KIND)

Company Willard E. Ferrell-Inter-County Dev. Co.
Address P.O. Box 5056, Philadelphia, Pa. 19111
Farm D.W. Cole Acres 144
Location (waters) Branch of Horn Creek
Well No. 81 Elev. 1071
District Troy County Gilmer
The surface of tract is owned in fee by D.W. Cole
Auburn W. Va. Address
Mineral rights are owned by C.M. Garrett, heirs
Weston, W. Va. Address
Drilling commenced Apr. 7 1965
Drilling completed May 10, 1965
Date Shot From To
With
Open Flow 6 /10ths Water in 2 Inch
115M /10ths Merc. in Inch
Volume 650 lbs 12 Cu. Ft.
Rock Pressure 650 lbs 12 hrs.
Oil 500 bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED May 19, 1965 1500 bbls fluid- 500 gal acid
River Frac.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	Conductor		Kind of Packer
13			Bottom Hole
10	180	142	Size of
8 1/2	1100		
6 1/2			Depth set
5 3/16	2090	2090	
3			Perf. top
2	2088		Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. May 12 Date
Cemented 30 bags

COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

DM

RESULT AFTER TREATMENT 44/10' etc. 1,200'
ROCK PRESSURE AFTER TREATMENT 375 (dropped from some unknown cause)
Fresh Water Surface only Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	15			
Blue Slate			15	26			
Yellow Clay			26	60			
Blue Slate			60	75			
Sand			75	86			
Slate & Lime			86	148			
Red Rock			148	250			
Slate			250	285			
Red Rock			285	308			
Slate & Sh. lls			308	334			
Sand			334	350			
Red Rock			350	400			
Slate			400	450			
Red Rock			450	495			
Sand			495	515			
Slate			515	550			
Lime			550	567			
Slate & Shells			567	620			
Red Rock			620	805			
Sr. Slate			805	920			
Red Rock			920	925			
Sand			925	970			
Blue Slate			970	1055			
Sand			1055	1078			
Slate & Shells			1078	1236			
Sand			1236	1246			
Lime			1246	1280			
Slate			1280	1289			
Blue Slate			1289	1308			



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(over)

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21-01695-P

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Black Slate			1308	1347			
Sand			1347	1385			
Blue Slate			1385	1398			
Gritty Lime			1398	1427			
Sand			1427	1473			
Slate			1473	1770			
Sand			1770	1784			
Black Slate			1784	1860			
Slate & Shells			1860	1935			
Sand			1935	1950			
Lime			1950	1957			
Break			1957	1960			
Lime			1960	2055			
Sand -Hard			2055	2071			
Lime			2071	2086	Show of Oil	2079 to 2083	
Sand (Injun)			2086	2112	Gas-2090 to	2112	
Slate			2112	2143			
				Total Depth			

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Office of Oil and Gas

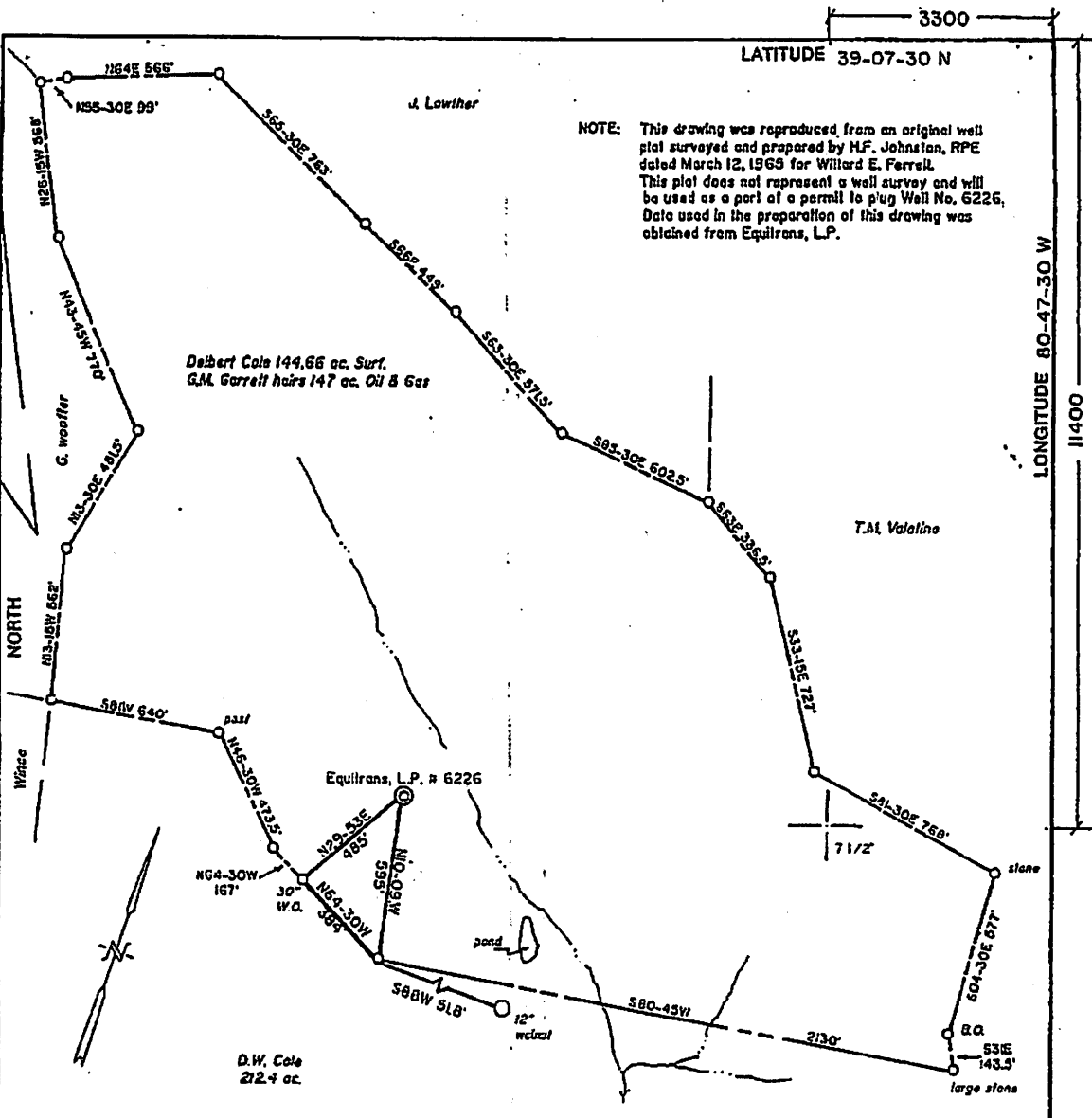
NOV 22 2017

WV Department of
Environmental Protection

Date June 24, 1965
 APPROVED [Signature] Owner
 By [Signature]
 (Title)

01/26/2018

21-01695P

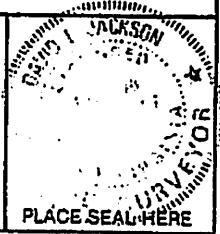


NOTE: This drawing was reproduced from an original well plat surveyed and prepared by H.F. Johnston, RPE dated March 12, 1965 for Willard E. Ferrell. This plat does not represent a well survey and will be used as a part of a permit to plug Well No. 6226. Date used in the preparation of this drawing was obtained from Equitrans, L.P.

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

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Well No. 1 D.W. Cole
212 ac. tract, Gil. Permit No. 1625
elev: 1197.0

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) David L. Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE June 18, 1998
 OPERATOR'S WELL NO. 6226
 API WELL NO. _____

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

LOCATION: ELEVATION 1071.0 WATER SHED Horn Creek
 DISTRICT Tray COUNTY Gilmer
 QUADRANGLE Auburn 7 1/2'

SURFACE OWNER Delbert & Mavis G. Cole ACREAGE 144.66
 OIL & GAS ROYALTY OWNER C. M. Garrett heirs LEASE ACREAGE 147
 LEASE NO. 23872

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON X CLEAN OUT AND REPLUG _____

TARGET FORMATION Big Injun ESTIMATED DEPTH 2143
 WELL OPERATOR Equitrans L.P. Fugate Production DESIGNATED AGENT William Hosttler
 ADDRESS 3500 Park Lane Pittsburg, PA 15275 ADDRESS P.O. Box 1550 Clarksburg, WV 26301

47 - 021 - 01695 - P

PL CANCELLED

Plugging a well drilled in 1965

COUNTY NAME PERMIT

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 Office of Oil and Gas
 DEC 10 2017
 WV Department of Environmental Protection

Auburn 7

01/26/2018

1) Date: November 9, 2017
2) Operator's Well Number
606226 (Garrett #6226)
3) API Well No.: 47 021 - 01695
State County Permit

RECEIVED
Office of Oil and Gas

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

NOV 22 2017

WV Department of
Environmental Protection

4) Surface Owner(s) to be served:
(a) Name Charles Delbert Cole, II
Address P. O. Box 1100
Jane Lew, WV 26378

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Danny Mullins
Address 220 Jack Acres Road
Buckhannon, WV 26201
Telephone (304) 932-6844

5) (a) Coal Operator:
Name None
Address _____

(b) Coal Owner(s) with Declaration
Name Charles Delbert Cole, II
P. O. Box 1100
Address Jane Lew, WV 26378

Name _____
Address _____

(c) Coal Lessee with Declaration
Name None
Address _____

Name _____
Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

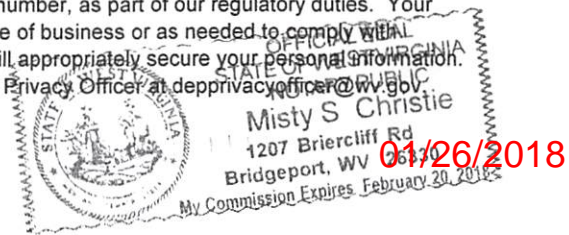
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator: EQT Production Company
By: Victoria J. Roark
Its: Regional Land Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 9th day of November, 2017
Misty S. Christie Notary Public
My Commission Expires: 2/20/18

The Office of Oil & Gas processes your personal information, such as name, address and phone 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.



1) Date of completion of work
2) Operator Well Number
3) Well Name
State County Permit

RECEIVED
Office of Oil and Gas

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL & GAS NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

WV Department of Environmental Protection

(a) Name Charles Deane Cole, II	(b) Name None	(c) Name None	(d) Name Charles Deane Cole, II
Address P.O. Box 1100 Jane Lew, WV 26021	Address None	Address None	Address P.O. Box 1100 Jane Lew, WV 26021
(e) Name None	(f) Name None	(g) Name None	(h) Name None
Address None	Address None	Address None	Address None
(i) Name None	(j) Name None	(k) Name None	(l) Name None
Address None	Address None	Address None	Address None
(m) Name None	(n) Name None	(o) Name None	(p) Name None
Address None	Address None	Address None	Address None
(q) Name None	(r) Name None	(s) Name None	(t) Name None
Address None	Address None	Address None	Address None
(u) Name None	(v) Name None	(w) Name None	(x) Name None
Address None	Address None	Address None	Address None

TO THE PERSONS NAMED ABOVE: You should have reviewed this form and the following documents:

(1) The application to plug and abandon a Well on Form WV-41, well file and the permit involved in the work and described the well file and the plugging work and (2) The permit (surveys) map, showing the well location on Form WV-10.

The reason you received these documents is that you have rights relating to the application which are summarized in the information on the reverse side. However, you are not required to take any action at all.

Take notice that under Chapter 20-9 of the West Virginia Code, the intended well, for the purpose of the oil and gas lease and application and any other documents for a permit to plug and abandon a well with the Office of Oil and Gas, West Virginia Division of Environmental Protection, will be paid to the well at the location described on the attached Application and debited on the attached Form WV-10. Copies of the notice, the Application and the plat have been mailed by registered mail or delivered by hand to the person(s) named above (or) Application in certain circumstances, on or before the day of mailing or delivery of the plat.

Well Operator	EQI Production Company
By	Victoria J. Perry
Title	Regional Land Acquisition
Address	P.O. Box 100
Telephone	606-338-3076

Subscribed and sworn before me this _____ day of _____, 2018.

Notary Public

The Office of Oil & Gas processes your personal information such as name address and phone 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 our regulatory duties. If you have any questions about the use of your personal information, please contact the Office of Oil & Gas, Division of Environmental Protection, at 606-338-3076.

01/26/2018

21-01657

Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Charles Delbert Cole, II
PO Box 1100
Jane Lew WV 26378

606226 (Garrett #6226) Plugging Permit



9590 9402 3413 7227 6858 11

2. Article Number (Transfer from service label)

7017 2400 0000 0392 0397

PS Form 3811, July 2015 PSN 7530-02-000-9053

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

PS Form 3811, July 2015 PSN 7530-02-000-9053

606226 (Garrett #6226) Plugging Permit

City: _____
Street: _____
Sent to: _____
Total Postage: _____

Charles Delbert Cole, II
PO Box 1100
Jane Lew WV 26378

Postmark Here

Extra Services & Fees (check box, add fee as appropriate)

Certified Mail Fee

Postage

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Certified Mail Restricted Delivery \$ _____

Return Receipt (electronic) \$ _____

Return Receipt (hardcopy) \$ _____

Official Use: For delivery information, visit our website at www.usps.com®

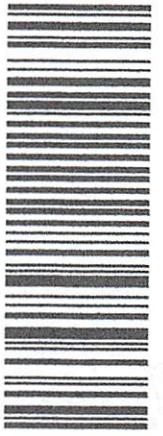
Domestic Mail Only

CERTIFIED MAIL® RECEIPT

U.S. Postal Service™

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS; FOLD AT DOTTED LINE

CERTIFIED MAIL



7017 2400 0000 0392 0397



Charles Delbert Cole, II
PO Box 1100
Jane Lew WV 26378

606226 (Garrett #6226) Plugging Permit

RECEIVED
Office of Oil and Gas

NOV 22 2017

WV Department of Environmental Protection

RETURN SERVICE REQUESTED



neopost™
11/21/2017
US POSTAGE
\$0.71
ZIP 26330
0411L022889

01/26/2018

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

RECEIVED
Office of Oil and Gas
NOV 22 2017
WV Department of
Environmental Protection

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Horn Creek Quadrangle: Auburn 7.5'

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

Will a pit be used? Yes X No ___
If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes X No ___ Is so, what ml.? 20 ~~40~~ ml

Proposed Disposal Method for Treated Pit Wastes:

Land Application (if selected provide a completed form WW-9-GPP)

Underground Injection (UIC Permit Number _____)
X Reuse (at API Number -- Various _____)
X Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)

Other: (Explain _____)

Will closed loop system be used ? If so, describe: _____

Drilling medium anticipated for this well? (vertical and horizontal)? Air, freshwater, oil based, etc. _____
If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____
If left in pit and plan to solidify what medium will be used? (cement, Lime, sawdust) _____
Landfill or offsite name/permit number? _____

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Division 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.

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 *Victoria J. Roark*

Company Official (Typed Name) Victoria J. Roark

Company Official Title Regional Land Supervisor - WV

Subscribed and sworn before me this 14th day of November, 2017

My Commission Expires 2/20/18

Notary Public
OFFICE
STATE OF W
NOTARY PUBLIC
01/26/2018
1207 Briercliff Rd
Bridgeport, WV 26330
My Commission Expires February 20, 2018

Flag No. of _____
(3) Operator's Well Number _____
000000 (General Permit) _____
API Well No.: 43 DSI - 01908

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
FLUIDS OUTLETS DISPOSAL & RECLAMATION PLAN

RECEIVED
Office of Oil and Gas
NOV 8 2017
WV Department of
Environmental Protection

Operator Name: FOT PRODUCTION COMPANY OF CODE: _____

Estimated (H2O for) _____ From _____
Do you anticipate using more than 500 bbl of water to complete the proposed well work? _____
Will it be used? Yes No

Will a synthetic liner be used in the well? Yes No
Will a synthetic liner be used in the well? Yes No

Proposed disposal method for treated FW (Waste):
Land Application (if selected provide a completed form WVA-6-CAP) _____
Subsidence Injection (WV Permit Number) _____
Other (Specify) _____
X
X

Will disposal system be used? If so, describe: _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____
Will a medical fluid be injected for the well? (vertical and horizontal)? AI, treatment, oil based, etc. _____

Permitted shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at or within 24 hours of disposal. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was originally disposed.

I hereby certify, understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.
Application form and all attachments must be filed on or before the date of the permit. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

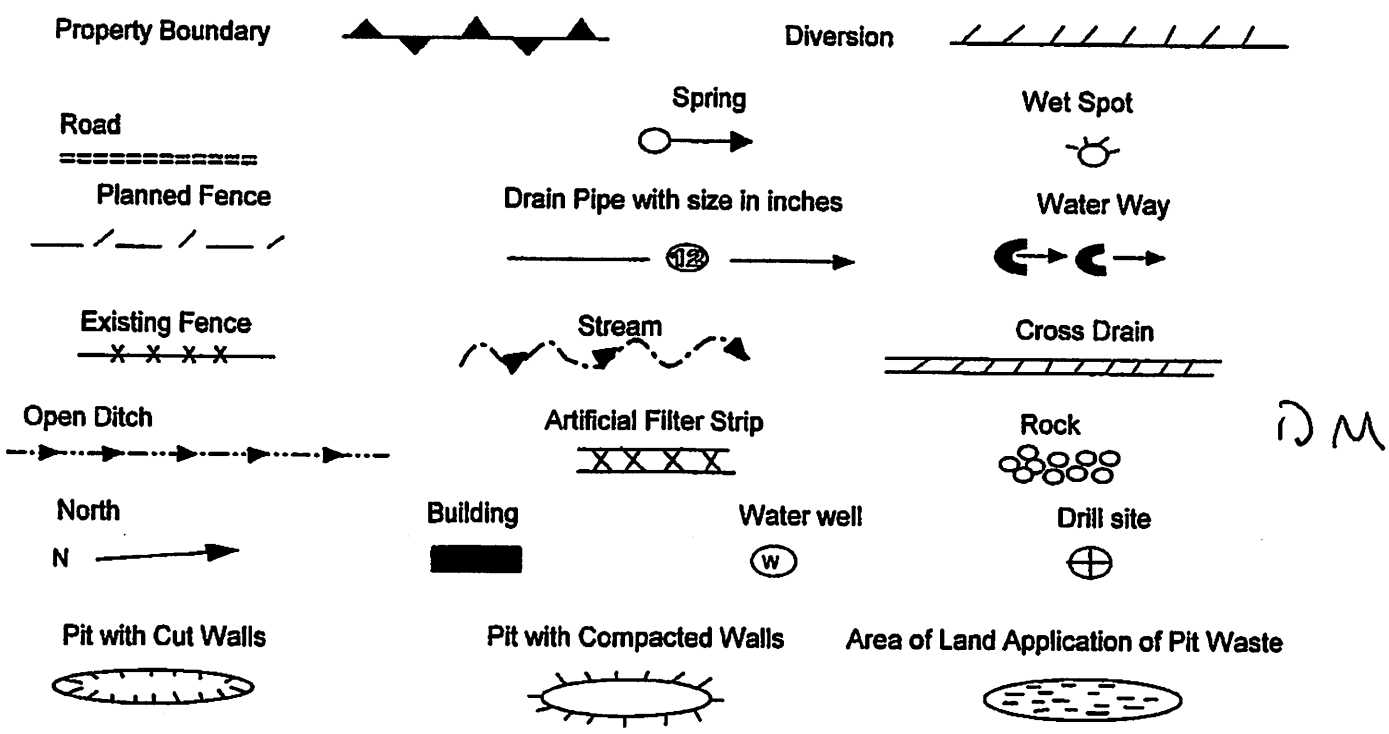
Company Official Signature: _____
Company Official (Typed Name): Victoria J. Roark
Company Official Title: Regional Lead Supervisor - WV
Subscribed and sworn before me this _____ day of _____

WV Commission Expires: _____

01/26/2018

OPERATOR'S WELL NO.:
606226 (Garrett #6226)

LEGEND



DM

Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:
 Drawing(s) of road, location, pit and proposed area for land application.
 Photocopies section of involved 7.5' topographic sheet.

Plan approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? Yes No

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 DEC 10 2017
 WV Department of
 Environmental Protection

EQT Production Water plan
Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

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WV Department of
Environmental Protection

Topo Quad: Auburn 7.5'
County: Gilmer
District: Troy

Scale: 1" = 600'
Date: October 31, 2017
Project No: 25-19-00-07

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NOV 22 2017
WV Department of
Environmental Protection

Highway

47-021-01695 WV 606226 (Garrett #6226)

Pit Location Map



47-021-01695
WV 606226

Existing Well
Access Road


Creek

Horn

NAD 27, South Zone
N:762,519.80
E:2,055,822.49

WGS 84
LAT:39.093895
LONG:-80.803166
ELEV:1082.57

LEGEND

 Proposed Pit Location



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

01/26/2018

21-01695P

Topo Quad: Auburn 7.5'

Scale: 1" = 500'

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County: Gilmer

Date: October 31, 2017

NOV 22 2017

District: Troy

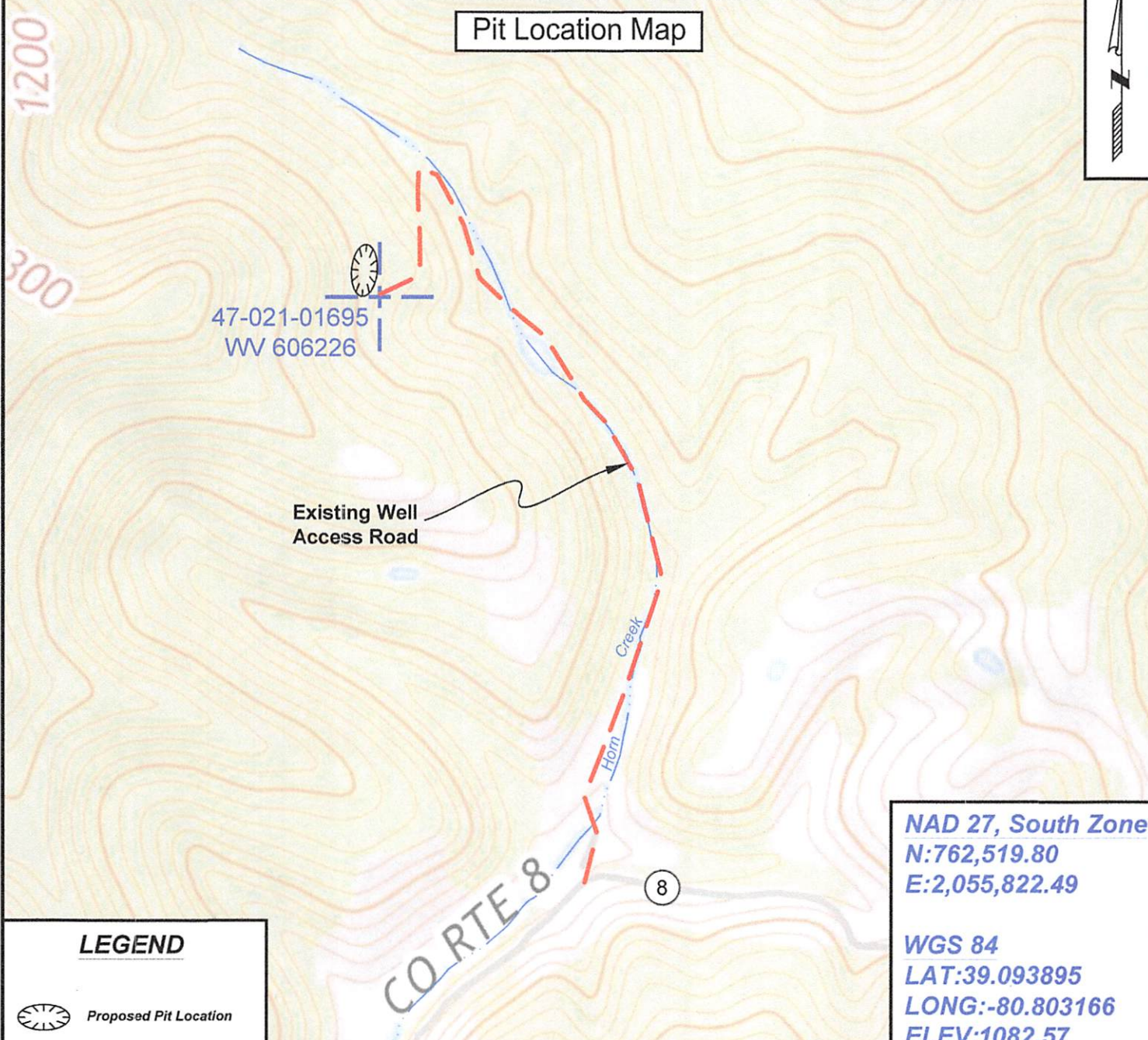
Project No: 25-19-00-07

WV Department of
Environmental Protection

47-021-01695 WV 606226 (Garrett #6226)

Topo

Pit Location Map



47-021-01695
WV 606226

Existing Well
Access Road

NAD 27, South Zone
N:762,519.80
E:2,055,822.49

WGS 84
LAT:39.093895
LONG:-80.803166
ELEV:1082.57

LEGEND

 Proposed Pit Location



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PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

01/26/2018

21-01695 A

Topo Quad: Auburn 7.5'

Scale: 1" = 2000'

RECEIVED
Office of Oil and Gas

County: Gilmer

Date: October 31, 2017

NOV 22 2017

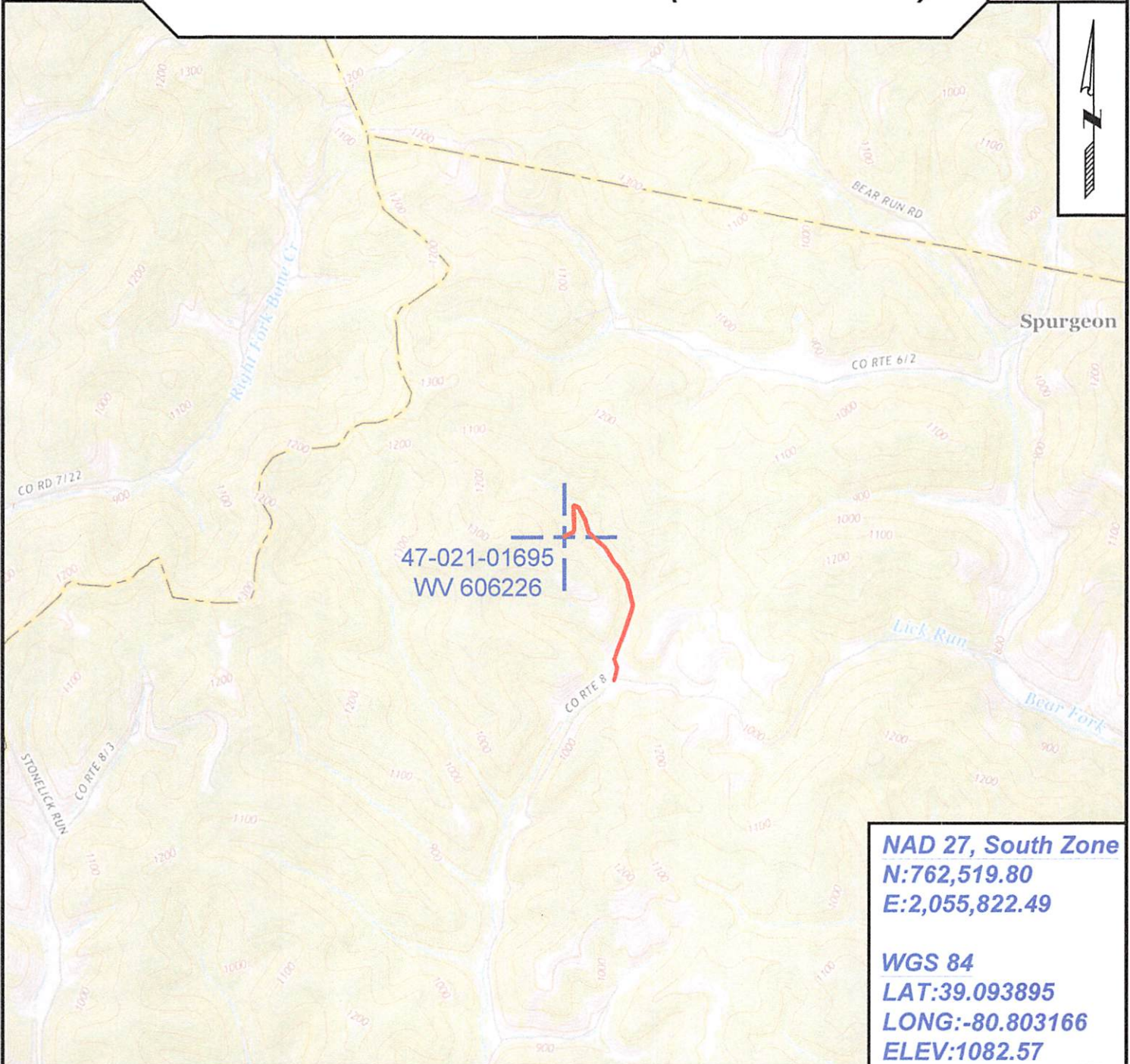
District: Troy

Project No: 25-19-00-07

WV Department of
Environmental Protection

47-021-01695 WV 606226 (Garrett #6226)

Topo



NAD 27, South Zone
N:762,519.80
E:2,055,822.49

WGS 84
LAT:39.093895
LONG:-80.803166
ELEV:1082.57



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
 Bridgeport, WV 26330

01/26/2018

NOV 22 2017

WV Department of
Environmental Protection

POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
 LEASE NAME AND WELL No. Garrett #6226 WV 606226 47-021-01695

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 576 +/- Owner: Debra M. Moss
 Address: 354 WV Highway 47 W., Linn, WV 26384 Phone No. _____
 Comments: _____

BIRCH RIVER OFFICE

237 Birch River Road
 Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
 Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd
 Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

MARTINSBURG OFFICE

25 Lights Addition Drive
 Martinsburg, WV 25404
phone: 304-901-2162
fax: 304-901-2182

Topo Quad: Auburn 7.5'

Scale: 1" = 2000'

RECEIVED
Office of Oil and Gas

County: Gilmer

Date: October 31, 2017

NOV 22 2017

District: Troy

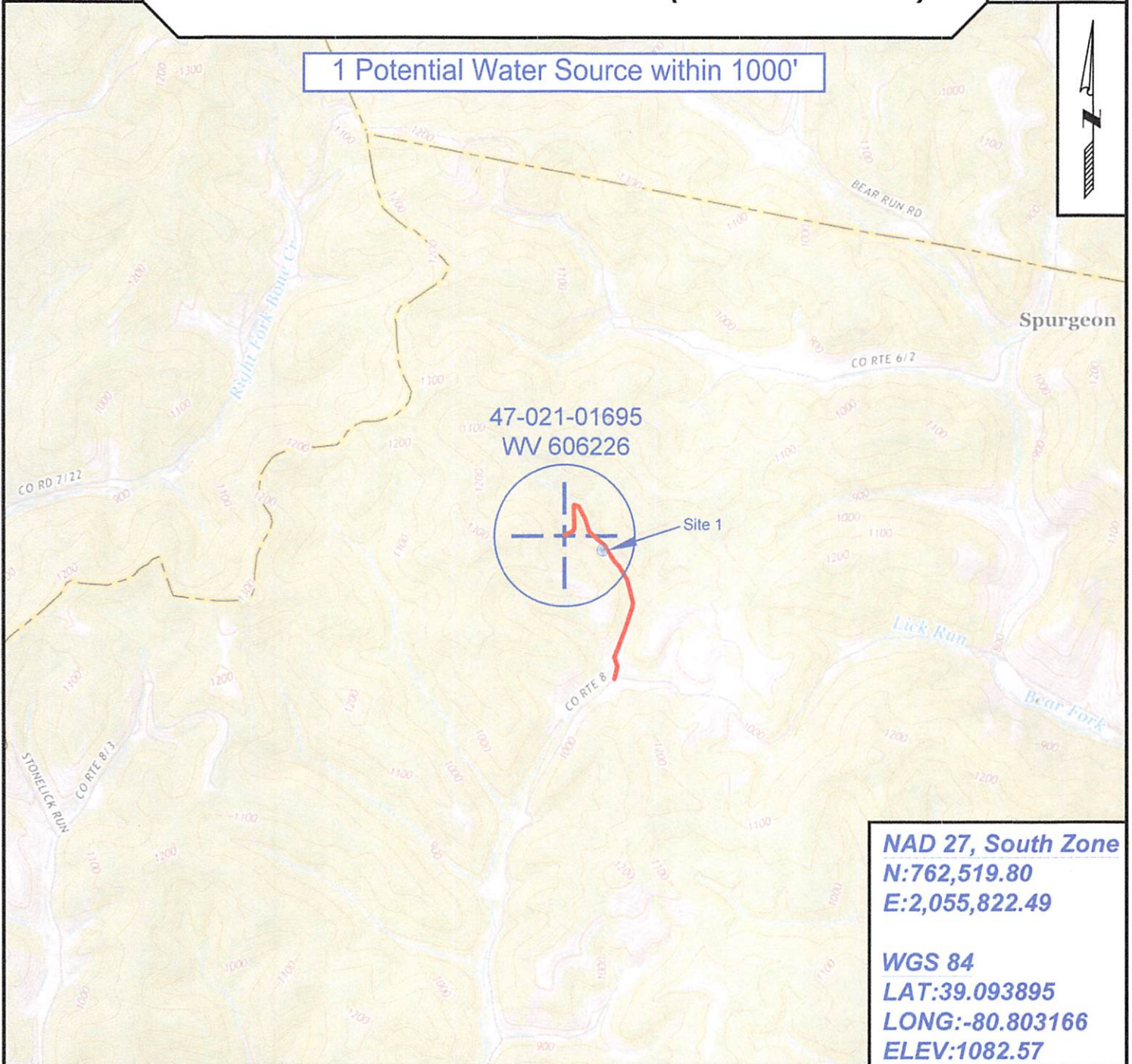
Project No: 25-19-00-07

WV Department of
Environmental Protection

Water

47-021-01695 WV 606226 (Garrett #6226)

1 Potential Water Source within 1000'



47-021-01695
WV 606226

Site 1

NAD 27, South Zone
N:762,519.80
E:2,055,822.49

WGS 84
LAT:39.093895
LONG:-80.803166
ELEV:1082.57



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

01/26/2018

WW-7
8-30-06

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Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-021-01695 WELL NO.: WV 606226 (Garrett #6226)

FARM NAME: D. W. Cole

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer DISTRICT: Troy

QUADRANGLE: Auburn 7.5'

SURFACE OWNER: Charles Delbert Cole II, et al.

ROYALTY OWNER: C. M. Garrett Heirs Trust

UTM GPS NORTHING: 4327215

UTM GPS EASTING: 517022 GPS ELEVATION: 330 m (1083 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:
Survey grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential _____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.


Signature

PS # 2180
Title

11/6/17
Date