

west virginia department of environmental protection

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

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

Wednesday, June 27, 2018 WELL WORK PERMIT Vertical / Plugging

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re:

Permit approval for STKS 7R-S142131

47-109-01456-00-00

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: STKS 7R-S14213

Farm Name: ETTENGER, HELEN MORRIS

U.S. WELL NUMBER: 47-109-01456-00-00

Vertical Plugging

Date Issued: 6/27/2018



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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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.

WW-4B Rev. 2/01

1) Date May 2	21		, 2018	
2)Operator	's			
Well No.	142131	Stokes-Ritte	er 7R	
3) API Well	No.	47-109	- 01456	

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

	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid (If "Gas, Production or Und	d injection/ Waste disposal/ derground storage) Deep/ Shallow X
5)	Location: Elevation 1923 District Clear Fork	Watershed Reedy Creek of the Guyandotte River County Wyoming Quadrangle Oceana
6)	Well Operator Address Address EQT Production Company 2400 Ansys Drive- Suite 200 Canonsburg PA 15317	7) Designated Agent Jason Ranson Address 120 Professional Place Bridgeport WV 26330
8)	Oil and Gas Inspector to be notified Name Brian Ferguson GARY KEAWERY Address 708 Manor Drive GG OLD CHUKH Beckley WV 25801 PIPESTEM WV	Name HydroCarbon Well Service Address PO Box 995
	Work Order: The work order for the manners See Attachment for details and proced	dures.
		Office of Oil and Gas JUN 0 5 2018
		WV Department of Environmental Protection
		· · · · · · · · · · · · · · · · · · ·
	fication must be given to the district of can commence.	il and gas inspector 24 hours before permitted
Work	c order approved by inspector CARY Centre	ROY BY EMAIL Date 6/26/2018



PLUGGING PROGNOs 142131 Ritter R7 API# 47-109-01456 District, Clear Fork Wyoming County, WV

BY: R Green DATE: 02/22/18

CURRENT STATUS:

TD @ 5718'

Elevation @ 1890'

16" casing @ 40' (Cemented with 9.4 cu/ft.) CTS

11 3/4" casing @ 234' (Cemented with 154 cu/ft.) CTS

8 5/8" casing @ 2075' (Cemented with 676 cu/ft.) CTS

5 1/2" casing @ 5708' (Cemented with 405 cu/ft.)

Perfs... Lower Huron 5460'-5480'. (120 holes)

"... Upper Huron 5184'-5204'. (120 holes)

"Upper Devonian 4476'-4496' (120 holes)

"... Berea 3976'-3986' (60 holes).

Note, well has two strings of 1 1/2" tubing in hole.

1st. string hanging on slips @ 4011'

2nd. String setting on Halliburton R-4 packer set @ 4076', TD on tubing @ 5375'

Fresh Water @ 139' Saltwater@ None Reported Oil Show @ None Reported Gas shows @ None Reported Coal @ 595'

Office of Oil and Gas

JUN 0 5 2018

Environmental Protection

GARY KONNEON 382-8402

- 1. Notify inspector, Brian Ferguson @304-55-6265, 24 hrs. prior to commencing operations.
- 2. Load hole with fluid to kill well.
- 3. Rig up and TOOH both strings of 1 ½" tubing.
- 4. TIH to 5500', spot 60 bbl. of 6% gelled water followed by a 500' C1A cement plug 5500' to 5000' (Upper & Lower Huron perfs). WOC 8 hrs. Tag TOC. Add additional C1A cement if necessary
- 5. TOOH to 4550' set a 200' C1A cement plug 4550' to 4350', (Upper Devonian perfs), WOC 6 hrs. Tag TOC, add additional C1A cement if necessary.
- 6. TOOH to 4050' set a 200' C1A cement plug 4050' to 3850'. (Berea perfs) WOC 6 hrs. Tag TOC, add additional C1A cement if necessary.
- 7. Free point 5 ½" casing, cut casing @ free point. TOOH 5 ½" casing.
- 8. 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.
- 9. TOOH to 2175' set a 375' C1A cement plug 2175' to 1800'. (8 5/8" casing seat & Elevation).
- 10. TOOH to 1400' set a 200' C1A cement plug 1400' to 1200'.

50' 650'

11. TOOH to 400' set a 400' C1A cement plug-400' to surface. (Water @ 139' & 11 34" 2 ofen mare @ 595', casing seat).

650'

12. Erect monument with API#, date plugged, and company name.

13. Reclaim road, location to WV-DEP specifications.

A MONUMENT MUST EXTEND 20" ABOVE GROUND.

Office of Oil and Gas

JUN 0 5 2018

WW Department of Environmental Protection

WR-35 **R**

Agent:

13-Jul-94 API # 47-109-01456

State of West Virginia Division of Environmental Protection Section of Oil and Gas

•	Permining Gas	Well Operator's Repo	ort of Well Work
Farm Name	e: ETTENGER,	HELEN MORRISON	Operator Well No.: STKS #7R-S142131
Location:	Elevation:	1,890.42	Quadrangle: OCEANA
	District: Latitude: Longitude:	CLEAR FORK 6100 Feet South of 37 6630 Feet West of 81	County: WYOMING Deg. 40 Min. 0 Sec. Deg. 42 Min. 30 Sec.
Company:	ASHLAND	EXPLORATION, INC.	

P.O. BOX 391, AT-9 ASHLAND, KY 41114-0391 B. E. Widener

Is coal being mined in area (Y/N)? Coal Depths (ft): ________595' lost circ

OFIE HELMICK Inspector: 07-12-94 Permit Issued: 08-20-94 Well Work Commenced: Well Work Completed: Verbal Plugging Permission granted on: Rotary X Cable Total Depth (feet) Ria 5718 Damp @ 139' Fresh water depths (ft) Salt water depths (ft) None Noted

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 16"	40'	40'	9.4
11%"	234'	234'	154
8%"	2075'	2075'	676
5½"	5708'	5708'	405
1.9" @ 5408' w/R-4 pkr @ 4076			

1.9" @ 4011' KB

Office of Oil and Gas **OPEN FLOW DATA** Pay zone depth (ft) 4476-5460 Dev. Shale Producing formation. Bbl/d MCF/d Oil: Initial open flow Gas: Initial open flow __ BPI/g/// V Final open flow MCF/d Final open flow Hours House Department of Environmental Protection Time of open flow between initial and final tests psig (surface pressure) after Static Rock Pressure 360 Pay zone depth (ft) 3976-3986 Second producing formation Gas: Initial open flow ______ Berea MCF/d Oil: Initial open flow Bbl/d Final open flow. MCF/d Final open flow 988 Hours Time of open flow between initial and final tests psig (surface pressure) after 340 Static Rock Pressure NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:	Ashland Exploration, Inc.	
	By: Jone of Styles	James L. Stephens, Eng. Tech.
	Date:	11-02-94
	Dutc	06/29/2018

WY0-1456

Formation or Rock Type	Top	Base	
Sand and Shale (base Lee Sand)		0	1983
Pennington		1983	2937
U. Maxton		2382	2462
M. Maxton		2544	2620
L. Maxton		2862	2892
Little Lime		2937	3034
Big Lime		3034	3379
Borden		3379	3934
Sunbury Shale		3934	3954
Berea		3954	3997
Devonian Shale		3997	T.D.

Drillers TD 5718 Loggers TD 5715 85/8 and 113/4 cmt'd to surface on primary job.

Perf L. Huron in HCG 6 spf 60° phasing 120H/5460-5480'. N₂ frac L. Huron using 850,000 scf N₂ @ 86,000 scf/min. BD @ 3160, ATP 2751, MTP 3207, ISIP 1818, 10 min 1735.

Perf U. Huron in HCG 6 spf 60° phasing 120H/5184-5204'. N_2 frac U. Huron using 850,000 scf N_2 @ 86,000 scf/m. BD @ 2370, ATP 2678, MTP 2778, ISIP 1830, 10 min 1768.

Perf U. Dev. Shale using HCG 6 spf 60' phasing 120H/4476-4496'. Set RBP @ 4540'. N₂ frac U. Dev. Shale using 800,000 scf N₂ @ 84,000 scf/m. BD @ 2385, ATP 2847, MTP 2922, ISIP 1674, 10 min 1097.

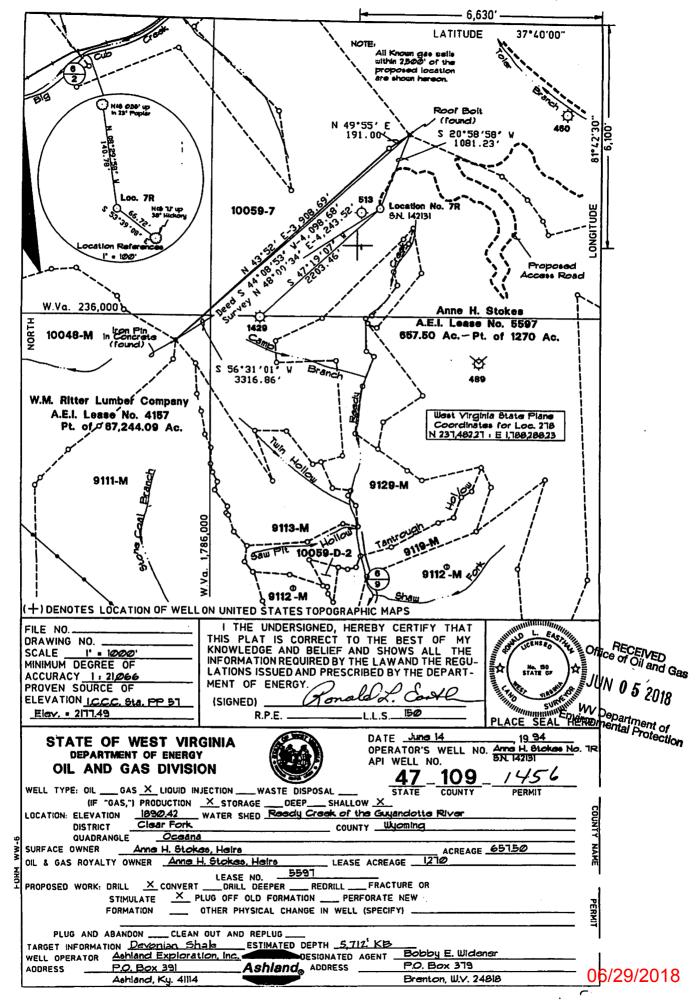
Perf Berea using 37%" expendable HCG 6 spf 60° phasing 60H/3976-3986'. Set Arrow RBP @ 4030' KB. RU Howco & 65Q Foam Frac Berea using 500 gal 16% HCl-Fe acid, 78,180# 20/40 sand & 183,170 scf N_2 @ 6251 scf/m. BD @ 1230, ATP 879 @ 20 B/M foam, MTP 1858, ISIP 1858, 10 min 1823.

807,61

Office of Oil and Gas

JUN 0 5 2018

WV Department of Environmental Protection



WW-4A Revised 6-07

1) Date:	May 21, 2018			
2) Operator's V	Well Number			
142131 Stokes-Ritter	7R			
3) API Well No	o.: 47 -	109	01456	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface (a) Nam Address		5) (a) Coal Operator Name Address	_
(b) Nam Address		(b) Coal Owner(s) with Declaration Name See Attached Address	_ _
(c) Nam Address		Name Address	_
6) Inspector Address	708 Manor Drive Beckley WV 25801	(c) Coal Lessee with Declaration Name Address	_
(1) (2) The	PERSONS NAMED ABO The application to Plug and Abandon a well its and the plugging work order; ar The plat (surveyor's map) showing the version of the plat (surveyor's map) showing the plat (surveyor's map) showing the version of the plat (surveyor's map) showing the version of the	ell location on Form WW-6. u have rights regarding the application which are summarized in the instructions on the reverses side	

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 Department 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

0000

Well Operator EQT Production Company By: Erin Spine Its: Regional Land Supervisor Address 2400 Ansys Drive, Suite 200 Canonsburg PA 15317

(304) 848-0035 Telephone

scribed and sworn before me this

certain circumstances) on or before the day of mailing or delivery to the Chief.

Notary Public

WV Department of Environmental Protection

My Commission Expires Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

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JUN 0 5 2018

WV Department of Environmental Protection OFFICIAL CEAL
STATE OF WEST VINGENIA
ASSECCA L, WANGTREET
COT PRODUCTION COMPANY
BURGEFORT, WY 2020
BURGEFORT, WY 2020
BY CONSILES OF THE STATE OF T

8,00 mo.M

1805 May 1/2 speller

47-109-01456

142131 (Stokes Ritter 7R)

Owner(s) (Surface and Access)

Helen Ettinger and First Citizens Bank & Trust Co. C/O CM Energy.
P.O. Box 1085
Beckley, WV. 25801

Coal Owner(s):

Helen Ettinger and First Citizens Bank & Trust Co. C/O CM Energy. P.O. Box 1085 Beckley, WV. 25801

Potential Water Owner(s):

N/A

Office of Oil and Gas

JUN 0.5 2018

WV Department of Environmental Protection

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Office of Oil and Gas
JUN () 5 2018
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Environmental Protection

WW-9 (5/16)

API Number 47 - 109 _ 01456 Operator's Well No. 142131 Stokes-Ritter 7R

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EQT Production Company OP Code
Watershed (HUC 10) Reedy Creek of the Guyandotte River Quadrangle Oceana
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: Formation Fluids
Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20 ml
Proposed Disposal Method For Treated Pit Wastes:
Land Application (if selected provide a completed form WW-9-GPP)
Underground Injection (UIC Permit Number) Reuse (at API Number)
Off Site Disposal (Supply form WW-9 for disposal location)
Other (Explain
Will closed loop systembe 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, removed 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 Oil and Cas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title Regional Land Supervisor Subscribed and swom before me this A 9 day of May , 20 18
Delicca d'Uanztrect Notary Public STATE OF WEST VIRGINIA
My commission expires 4-7-2000 REBECCA L. WANSTREE EQT PRODUCTION COMPANY

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

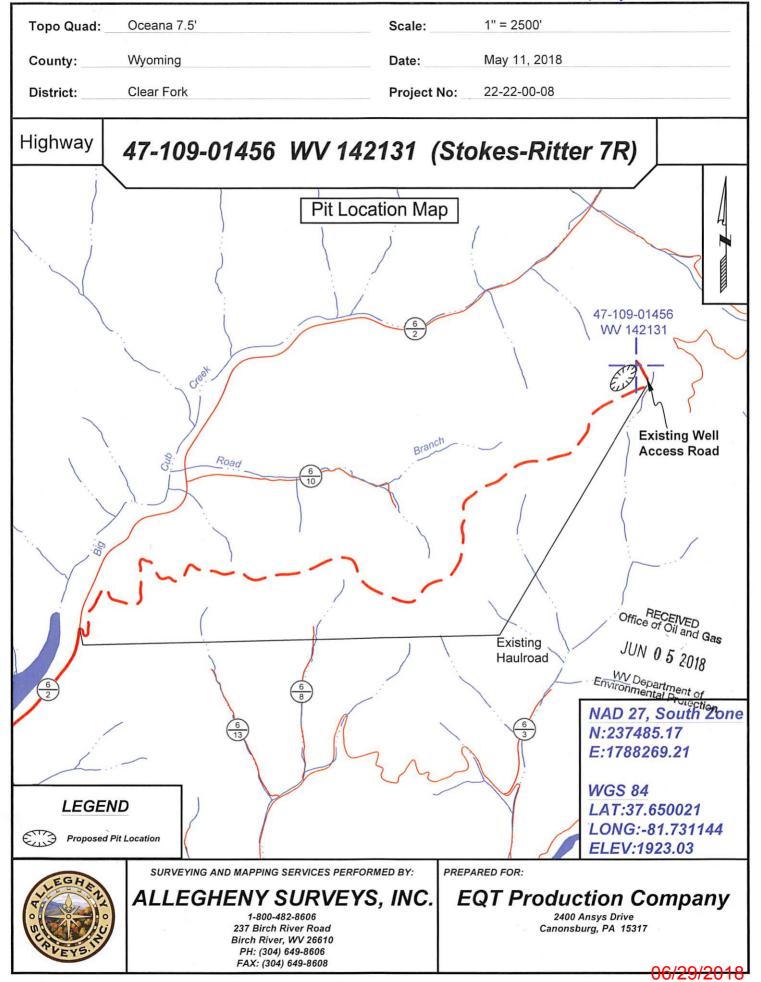
Waste Management - Northwestern Landfill

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



Lime 3	Tons/acre or to corre	ct to pH 6.5	
	0-20-20) or equivalent		
Fertilizer amount ¹		lbs/acre	
			
		Seed Mixtures	
To	emporary	Perma	nent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Aslike Clover	5	Aslike Clover	5
Annual Rye	15		
Maps(s) of road, location, porovided). If water from the (L, W), and area in acres, of	pit will be land applied, pro the land application area.	d application (unless engineered plans include ovide water volume, include dimensions (L,	
provided). If water from the L, W), and area in acres, of Photocopied section of invo	pit will be land applied, pro the land application area. lved 7.5' topographic sheet.	ovide water volume, include dimensions (L,	
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Topo Quad: Oceana 7.5' 1" = 400' Scale: County: Wyoming May 11, 2018 Date: Clear Fork District: Project No: 22-22-00-08 Topo 47-109-01456 WV 142131 (Stokes-Ritter 7R) Pit Location Map 47-109-01456 WV 142131 **Existing Well-**Access Road NAD 27, South Zone N:237485.17 Existing E:1788269.21 Haulroad WGS 84 **LEGEND** LAT:37.650021 LONG:-81.731144 Proposed Pit Location ELEV:1923.03 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 2400 Ansys Drive 1-800-482-8606 Canonsburg, PA 15317 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608



Topo Quad: Oceana 7.5' 1" = 2000' Scale: County: Wyoming May 11, 2018 Date: Clear Fork District: 22-22-00-08 Project No: Topo 47-109-01456 WV 142131 (Stokes-Ritter 7R) Toler y 7.5' Quadrangle a 7.5' Quadrangle Hollo D BIG CUB CREEK RD Walnut Boy Hollow BIG CUB CREEK RD 47-109-01456 ... WV 142131 □ Elk/ HATFIELD BRANCA Guyan Office of Oil and Gas JUN 0 5 2018 NAD 27, South Zone N:237485.17 E:1788269.21 Cline Cem D WGS 84 Mallory 7.5' Quadrangle Oceana 7.5' Quadrangle Gilbert 7.5' Quadrangle Baileysville 7.5' Quadrangle LAT:37.650021 LONG:-81.731144 ELEV:1923.03 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 2400 Ansys Drive Canonsburg, PA 15317 237 Birch River Road Birch River, WV 26610

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

06/29/2018



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY

LEASE NAME AND WELL No. Stokes-Ritter 7R - WV 142131 - API No. 47-109-01456

POTENTIAL SAMPLE LOCATIONS

There appears to be no potential water sources within the required 1000 feet of the existing well WV 142131.

Office of Oil and Gas

JUN 0 5 2018

Environmental Protection

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 Road Alum Creek, WV 25003 phone: 304-756-2949 fax: 304-756-2948 - 115 for a feet als \$1000 for a feet a

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Office of Oil and Gas

JUN 0 5 2018

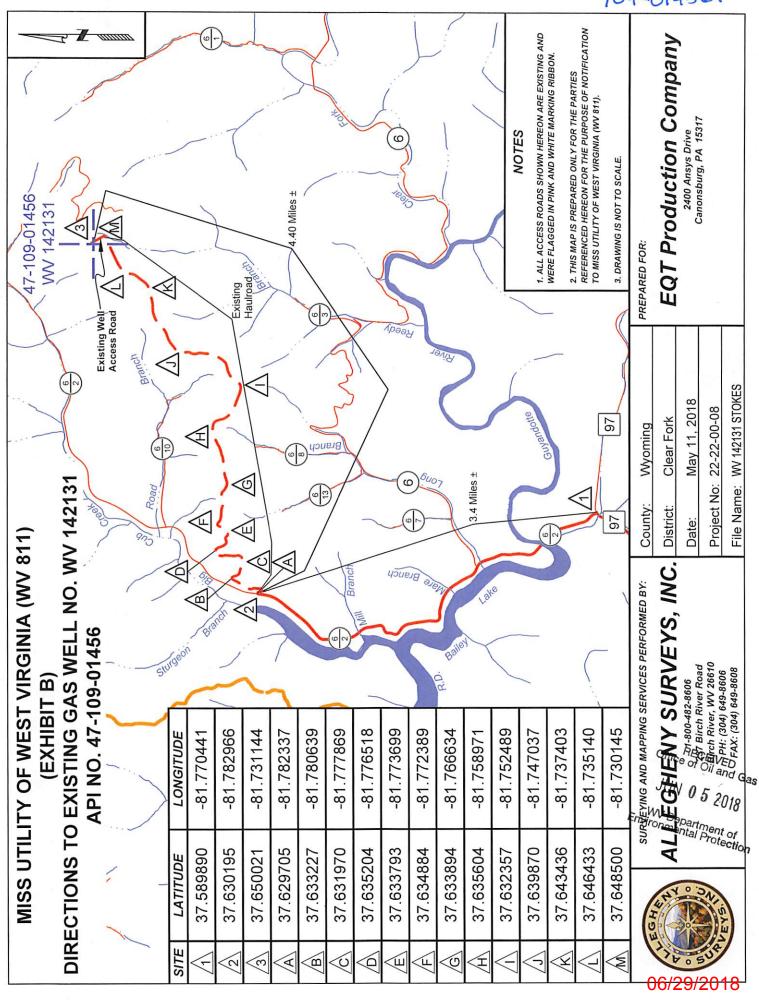
Environmental Protection

1" = 2000' Oceana 7.5' Topo Quad: Scale: Wyoming May 11, 2018 County: Date: Clear Fork 22-22-00-08 District: Project No: Water 47-109-01456 WV 142131 (Stokes-Ritter 7R) Hollow No Potential Water Sources within 1000' walnut 48 BIG CUB CREEK RD 47-109-01456 WV 142131 D Elk Trace HATFIELD BRANCE Guyan NAD 27. South Zone Cline E:1788269.21

WV Department of Environmental Protection Cem D Mallory 7.5' Quadrangle Oceana 7.5' Quadrangle Gilbert 7.5' Quadrangle Baileysville 7.5' Quadrangle **WGS 84** LAT:37.650021 LONG:-81.731144 ELEV:1923.03 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: **EQT Production Company** ALLEGHENY SURVEYS, INC. 1-800-482-8606 2400 Ansys Drive 237 Birch River Road Canonsburg, PA 15317 Birch River, WV 26610 PH: (304) 649-8606

FAX: (304) 649-8608

06/20/2019





Miss Utility of West Virginia (WV811) (Exhibit A) Directions to Gas Well No. WV 142131 API No. 47-109-01456

- Beginning at the intersection of US Interstate 64 Exit 58A (Oakwood Road/Logan) and US Route 119 in Charleston, Kanawha County, WV.
- Proceed Southwest on US Route 119, for approximately 52.8 miles, to the WV State Route 73 exit toward WV State Route 10 (Logan).
- Turn left at bottom of Exit ramp and proceed East, for approximately 2.3 miles, to the intersection of WV County Route 44.
- Turn left and proceed East to continue on WV State Route 73, for approximately 0.6 mile, to WV State Route 10 (Logan Blvd) straight ahead.
- Proceed Southeast on State Route 10 (Logan Blvd), for approximately 13.8 miles, to the intersection of WV State Route 10 and WV State Route 80.
- Turn right onto WV State Route 80 and proceed South, for approximately 12.1 miles, to the intersection of WV State Route 80 and US Route 52.
- Turn left onto US Route 52 and proceed Southeast, for approximately 6.5 miles, to WV State

 Route 97, on the left.

 Environmental Protection

 For approximately 2.1 miles, to
- Turn left onto WV State Route 97 and proceed Northeast, for approximately 2.1 miles, to WV County Route 6/2, on the left. (*Point No. 1*)

BIRCH RIVER OFFICE 237 Birch River Road Birch River, WV 26610

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 P.O. Box 108 • 1413 Childress Road

Alum Creek, WV 25003 phone: 304-756-2949 fax: 304-756-2948 看 机邻癸二酸酸酚合物 医囊 电冷积键的 计通知 34 100 L and the control of the land throughout the 2000年度第二十二年 5.124 P. A.

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- Turn left onto WV County Route 6/2 and proceed Northwest, for approximately 3.4 miles, to the Well Access Road, on the right. (*Point No. 2*)
- Turn right onto the Well Access Road and proceed Northeast, for approximately 4.40 miles, arriving at Gas Well WV 142131. (*Point No. 3*)



WW-7 8-30-06



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

API: 47-109-01456 WELL NO.: WV 142131 (Stokes-Ritter 7R)
FARM NAME: Anne H. Stokes
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Wyoming DISTRICT: Clear Fork
QUADRANGLE: Oceana 7.5'
SURFACE OWNER: Helen Ettinger and First Citizens Bank & Trust Co.
ROYALTY OWNER: Helen Ettinger and First Citizens Bank & Trust Co.
UTM GPS NORTHING: 4167237
UTM GPS EASTING: 435503 GPS ELEVATION: 586 m (1923 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: 1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Differential Office of Oil and Gas Real-Time Differential
Real-Time Differential JUN 0 5 2018
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.