

west virginia department of environmental protection

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

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

Monday, June 18, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for ZINN 2C-W270 47-021-04098-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: ZINN 2C-W270 Farm Name: ZINN, SCOTT

U.S. WELL NUMBER: 47-021-04098-00-00

Vertical Plugging
Date Issued: 6/18/2018

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.

WW-4B Rev. 2/01

1) Date N	/lay 21	, 2018
2)Opera		
Well	No. 161711 Zinn #	‡2C-W270
3) API W	ell No. 47-	021 - 04098

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

		MIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liqui	
	If "Gas, Production or Un	derground storage) Deep/ Shallow X
	Libering: Eignation 1139	Watershed Pikecamp Run
	District Troy	County Gilmer Quadrangle Auburn
6)	Well Operator EQT Production Company	7) Designated Agent Jason Ranson
	Address 2400 Ansys Drive- Suite 200	Address 120 Professional Place
	Canonsburg PA 15317	Bridgeport WV 26330
8)	Oil and Gas Inspector to be notified Name Danny Mullins	9) Plugging Contractor Name HydroCarbon Well Service
	Address 220 Jack Acres Rd.	Address PO Box 995
	Buckhannon WV 26201	Buckhannon WV 26201
	Work Order: The work order for the man See Attachment for details and proce	
		dures.
		dures.
		dures.
		RECEIVED Office of Oil and Gas
Noti	See Attachment for details and proce	RECEIVED Office of Oil and G

PLUGGING PROGNOS

161711 Zinn #2-C API# 47-021-04098 District, Troy Gilmer County, WV

BY: R Green DATE: 12/11/17

CURRENT STATUS: TD @ 5734' Elevation @ 1148'

8 5/8" casing @ 924' (CTS) 4 1/2" casing @ 5610' (Cemented with 560 sks)

Fresh Water @ 45'
Saltwater@ 1807'
Oil Show @ None Reported
Gas shows @ None Reported
Coal @ None Reported



- 1. Notify inspector, Danny Mullins @ 304-932-6844, 24 hrs. prior to commencing operations.
- 2. TIH check TD @ or below 5600'.
- 3. TIH to 5600', spot 40 bbl. of 6% gelled water, followed by a 600' C1A cement plug, 5600' to 5000' (Elk & Alexander), WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
- TOOH to 4900' set a 350' C1A cement plug, 4900' to 4550' (Benson & 3rd Riley), WOC 4 hrs. Tag TOC, add additional C1A cement if necessary.
- TOOH to 4500' set a 400' C1A cement plug 4500' to 4100', (Balltown & 2nd Riley), WOC 4 hrs. Tag TOC, add additional C1A cement if necessary.
- TOOH to 4100', set a 400' C1A cement plug 4100' to 3700' (Balltown & 2nd Riley).WOC 4hrs.Tag TOC, add additional C1A cement if necessary.
- 7. TOOH to 3600' set a 300' C1A cement plug 3600' to 3300' (Speechly). WOC 4 hrs. Tag TOC, add additional C1A cement if necessary.
- 8. TOOH to 3300' set a 300' C1A cement plug, 3300' to 3000'. (Speechly). WOC 4 hrs. Tag TOC, add additional C1A cement if necessary.
- 9. TOOH to 2000' set a 300' C1A cement plug, 2000' to 1700'.
- 10. TOOH to 1200' set a 300' C1A cement plug 1200' to 900' (Elevation).
- 11. TOOH to 400', set a 400' C1A cement plug 400' to surface.
- 12. Erect monument with API#, date plugged, & company name.
- 13. Reclaim location and road to WV-DEP specifications.

RECEIVED
Office of Oil and Gas

JUN 1 5 2018

WV Department of Environmental Protection

IV-35 (Rev 8-81)



OIL & GAS DIVISION ____ Mest Airginia DEPT. of MINES epartment of Mines Gil und Gas Bivision

Date	January 9, 1984	
Operat Well N	January 9, 1984 or's o. 20	
Farm_	Zinn	_
API No	• <u>47 - 021 - 4098</u>	

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMUL	LATING, O	R PHYSICAL	CHANGE		
WEIL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production x / Undergroun IOCATION: Elevation: 1148 Watershed P: District: Troy County Gilmen	nd Storag ike Camp F	e/ Deer	/ Sha		
COMPANY WACO OIL & GAS COMPANY, INC.					
ADDRESS 1297 N. Lewis St., Glenville, WV	Caging	Used in	Left	Cement fill up	
DESIGNATED AGENT Kenneth Greenlief	Tubing	Drilling	in Well	Qu. ft.	
ADDRESS 1297 N. Lewis St., Glenville, WV SURFACE OWNER Vada Zinn	Size 20-16				
ADDRESS Cox's Mill WV	Cond. 13-10"				
MINERAL RIGHTS OWNER S. Zinn & M.A. Lockard	9 5/8				
ADDRESS Cox's Mill, WV	8 5/8	924	924	to surface	
OIL AND GAS INSPECTOR FOR THIS WORK	7				
Deo Mace ADDRESS Sand Ridge, WV	5 1/2				
PERMIT ISSUED 9/13/83	4 1/2		5610	600 sks.	
DRILLING COMMENCED 12/26/83	3				
DRILLING COMPLETED 12/31/83	2		i	<u> </u>	
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
GPOLOGICAL TARGET FORMATION E1k		Dep	oth 5800	feet	
Depth of completed well 5734 feet	Rotary x	/ Cabl	le Tools_		
Water strata depth: Fresh 45 feet;					
Coal seam depths: None				e area? <u>No</u>	
OPEN FLOW DATA Producing formation Elk, Alexander, Bens		, v zane del	oth cas +		<u> </u>
Gas: Initial open flow Mcf/d					Office of Oil and Gas
Final open flow 1,338 Mcf/d		inal open :			The of Oil and Gas
Time of open flow between init		_		ours	₩ JUN 0 5 2018
Static rock pressure 1750 psig(surface				ours shut in	
(If applicable due to multiple completion					WV Department of Environmental Protection
Second producing formation Balltown, Spec		ay zone de	pth See	treatmen£eet	rotection
Gas: Initial open flow Mcf/d		nitial ope		Bb1/d	
Final open flow Mcf/d		inal open	-	Bb1/d	
Time of open flow between init	tial and	final test		ours	
Static rock pressurepsig(surface	e measure	ment) afte	<u>r_h</u>	ours shut in	

FURM IV-35 (REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Elk, Alexander - 5067 to 5588 - 2000 gal. 15% Hcl, 1000 MCF $\rm N_2$ Benson, 3rd Riley - 4619 to 4846 - 500 gal. 15% Hcl, 1000 MCF $\rm N_2$ Balltown, 2nd Riley - 3837 to 4451 - 500 gal. 15% Hcl, 1000 MCF $\rm N_2$ Speechly - 3235 to 3563 - 500 gal. 15% Hcl, 1000 MCF $\rm N_2$

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Soil	0	4	
Sand & Shale	4	113	Fresh water ½" @ 45'
Sand, Shale, Red Rock	113	1940	Salt water 낯" @ 1807
Lime and Sand	1940	1992	
Big Lime	1992	2070	
Big Injun	2070	2130	
Shale	2130	2230	
Weir Sand	2230	2360	·
Sand and Shale	2360	3280	
Speechly Section	3280	4040	
Balltown Section	4040	4440	
Riley Section	4440	4830	Gas @ TD 20 - 1" w/w
Benson	4830	4850	
Sand and Shale	4850	5050	
Alexander	5050	5130	
Sand and Shale	5130	5470	
Lower Elk	5470	5500	
Sand and Shale	5500	5734 TD	

(Attach separate sheets as necessary)

WACO OIL & GAS COMPANY, INC.	Office of Oil and Gas
Well Operator	JUNIA
By: Kenneth Greenlief Konneth Mes	En W Denk
Date: January 9, 1984	Environmental Protection

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including only, encountered in the drilling of a well."

04098

WW-4A Revised 6-07

1) Date:	May 21 2018	
2) Operator	r's Well Number	
161711 Zinn #2C-	W270	

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

3) API Well No.: 47 -

Surface Ow	vner(s) to be served:	b) (c	a) Coal Operator	
(a) Name	See Attached		Name	
Address			Address	
(b) Name	-		(b) Coal Owner(s) with Declaration	on
Address			Name See Attached	
	1		Address	
(c) Name			Name	
Address			Address	
6) Inspector	Danny Mullins		(c) Coal Lessee with Declaration	
Address	220 Jack Acres Rd		Name	
riddress	Buckhannon WV 26201		Address	
Telephone	304-932-6844			
relephone	201129 1991		-	
Protection the Appli	nying documents for a permit to n, with respect to the well at the	o plug and abandon a w e location described on n mailed by registered	e, the undersigned well operator proposes to file or has well with the Chief of the Office of Oil and Gas, West V the attached Application and depicted on the attached or certified mail or delivered by hand to the person(s ry to the Chief.	Virginia Department of Environmental Form WW-6. Copies of this Notice,
AND DE	OFFICIAL SEAL	The state of the s	EQT Production Company	
STA STA	NOTARY PUBLIC TE OF WEST VIRGINIA	By:	Erin Spine	
REBE EOT	PRODUCTION COMPANY	Its:	Regional Land Supervisor	
DR DR	PO BOX 280 HDGEPORT, WV 26330	Address	2400 Ansys Drive, Suite 200	
My com	mission expires April 07, 2020	E. S. S. S. S.	Canonsburg PA 15317	
		Telephone	(304) 848-0035	
				Office of AVED
Subgribed and		29	May 2018	Office of Oil and Gas
	d sworn before me thi	. 29 da	ay of May 2018	Office of Oil and Gas
All	recca of l	29	ay of May 2018 Notary Public	JUN 0 5 2018
	recca of l	29 di	ay or	JUN 0 5 2018
All	on Expires	39 de 1000 de	ay or	Office of Oil and Gas JUN 0 5 2018 WV Department of Environmental Protection

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.

47-021-04098

161711 (Zinn #2C-W270)

Owner(s) (Surface and Access)

Manley James Zinn 8667 WV Highway 47 W Coxs Mills, WV 26342

Raymond L. Ellyson 8841 WV Highway 47 W Coxs Mills, WV 26342

Coal Owner(s):

Manley James Zinn 8667 WV Highway 47 W Coxs Mills, WV 26342

Potential Water Owner(s):

N/A



API Number 47 - 021 _ 04098 Operator's Well No._161711 Zinn #2C-W270

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) Pikecamp Run	
Do you anticipate using more than 5,000 bbls of water to comp	plete the proposed well work? Yes No
Will a pit be used? Yes V No	
If so, please describe anticipated pit waste: Formati	on 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	
Underground Injection (UIC Perm	it Number)
Off Site Disposal (Supply form W	W-9 for disposal location)
Will closed loop systembe used? If so, describe:	
Drilling medium anticipated for this well (vertical and horizon	tal)? 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 b	e used? (cement, lime, sawdust)
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and West Virginia solid waste facility. The notice shall be provide where it was properly disposed.	Cas of any load of drill cuttings or associated waste rejected at any d within 24 hours of rejection and the permittee shall also disclose
on April 1, 2016, by the Office of Oil and Gas of the West Vi provisions of the permit are enforceable by law. Violations of or regulation can lead to enforcement action. I certify under penalty of law that I have personal application form and all attachments thereto and that, based or	
Company Official (Typed Name) Erin Spine	Office of Oil and Gas
Company Official Title Regional Land Supervisor	JUN 0 5 2018
Subscribed and swom before me this 29 day of	My Department of Environmental Protection Notary Public OFFICIAL SEAL NOTARY PUBLIC
My commission expires 4-7-806	STATE OF WEST VIRGINI REBECCA L. WANSTR EQT PRODUCTION COMPA

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



roposed heregetation fred	tment: Acres Disturbed 1:	Preveg etation p	Η
Lime 3	Tons/acre or to corre	et to pH 6.5	
Fertilizer type (10	0-20-20) or equivalent		
Fertilizer amount 1	/3 ton	lbs/acre	
Mulch 2		Tons/acre	
		Seed Mixtures	
Te	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		
Attach: Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of	pit will be land applied, pr the land application area.	d application (unless engineered plans inclu ovide water volume, include dimensions (L.	ding this info have be W, D) of the pit, and
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	pit will be land applied, pr the land application area.	ovide water volume, include dimensions (L.	ding this info have be W, D) of the pit, and
Maps(s) of road, location, p provided). If water from the (L., W), and area in acres, of Photocopied section of invo	pit will be land applied, pr the land application area.	ovide water volume, include dimensions (L.	ding this info have be W, D) of the pit, and
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	pit will be land applied, pr the land application area.	ovide water volume, include dimensions (L.	ding this info have be W, D) of the pit, and
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Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	pit will be land applied, pr the land application area.	ovide water volume, include dimensions (L.	ding this info have be W, D) of the pit, and
Maps(s) of road, location, p provided). If water from the (L, W), and area in acres, of Photocopied section of invo	pit will be land applied, prothe land application area. Ived 7.5' topographic sheet	ovide water volume, include dimensions (L.	ding this info have be W, D) of the pit, and

JUN 1 5 2018

Topo Quad: Auburn 7.5' Scale: 1" = 200' Gilmer County: Date: April 24, 2018 District: Troy Project No: 25-19-00-07 47-021-04098 WV 161711 (Zinn #2C-W270) Topo Pit Location Map 47-021-04098 WV 161711 **Existing Well** Access Road RECEIVED Office of Oil and Gas JUN 1 5 2018 NAD 27, South Zone N:746636.34 WV Department of **Environmental Protection** E:2045980.33 WGS 84 LEGEND LAT:39.050340 LONG:-80.837937 Proposed Pit Location ELEV:1139.07 SURVEYING AND MAPPING SERVICES PERFORMED BY: PREPARED FOR: ALLEGHENY SURVEYS, INC. **EQT Production Company** 2400 Ansys Drive Canonsburg, PA 15317 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

Auburn 7.5' Topo Quad: Scale: 1" = 1000' County: Gilmer Date: April 24, 2018 Troy District: Project No: 25-19-00-07 Highway 47-021-04098 WV 161711 (Zinn #2C-W270) Pit Location Map Pikecamp 47-021-04098 WV 161711 **Existing Well** Access Road NAD 27 Street Zone N:746636.340 and Gas E:2045980.03 2018 WV Department of WGS Mental Protection **LEGEND** LONG:-80.837937 Proposed Pit Location ELEV:1139.07 PREPARED FOR: SURVEYING AND MAPPING SERVICES PERFORMED BY: **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

Auburn 7.5' Topo Quad:

1" = 2000' Scale:

County:

Gilmer

Date:

April 24, 2018

District:

Troy

Project No:

25-19-00-07

47-021-04098 WV 161711 (Zinn #2C-W270)

Topo





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:

JUN 0 5 2018

EQT Production Company

Canonsburg, PA 15317

WW-7 8-30-06



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

API: 47-021-04098 WELL NO.: WV 161711 (Zinn #2C-W270)
FARM NAME: Zinn
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Gilmer DISTRICT: Troy
QUADRANGLE: Auburn 7.5'
SURFACE OWNER: Manley James Zinn
ROYALTY OWNER: Manley James Zinn
UTM GPS NORTHING: 4322375
UTM GPS EASTING: GPS ELEVATION: 347 m (1139 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 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 office of Oil and Gas or Signature Signature Sig



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Zinn #2C-W270 - WV 161711 - API No. 47-021-04098

POTENTIAL SAMPLE LOCATIONS

There appears to be no potential water sources within the required 1000 feet of the existing well WV 161711.

Office of Oil and Gas

JUN 0 5 2018

WW Department of Environmental Protection

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

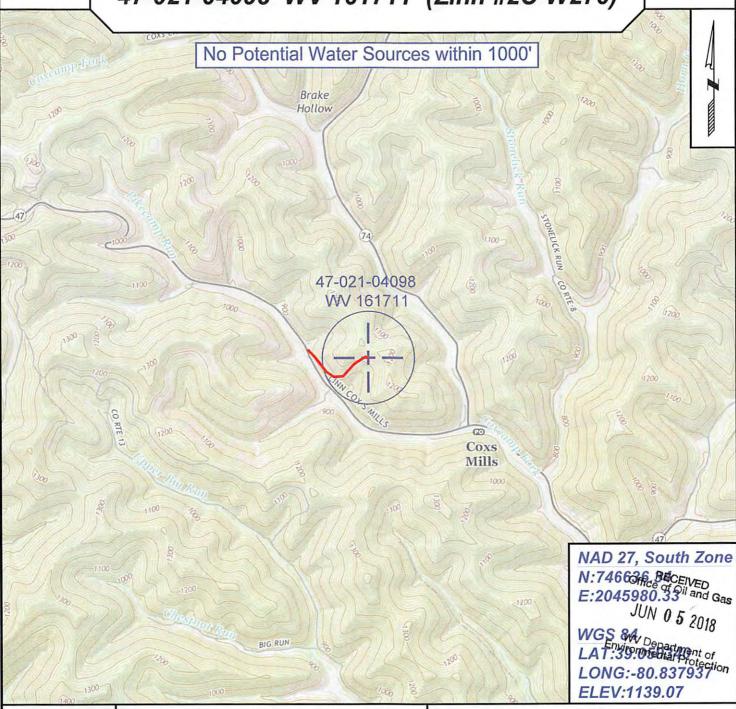
BRIDGEPORT OFFICE 172 Thompson Drive Bridgeport, WV 26330 phone: 304-848-5035 fax: 304-848-5037 ALUM CREEK OFFICE
P.O. Box 108 • 1413 Childress Road
Alum Creek, WV 25003
phone: 304-756-2949 fax: 304-756-2948

Topo Quad: Auburn 7.5' Scale: 1" = 2000'

County: Gilmer Date: April 24, 2018

District: Troy Project No: 25-19-00-07

Water 47-021-04098 WV 161711 (Zinn #2C-W270)





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

2400 Ansys Drive Canonsburg, PA 15317



Miss Utility of West Virginia (WV811) (Exhibit A) Directions to Gas Well No. WV 161711 API No. 47-021-04098

- Beginning at the intersection of US Interstate 79 Exit 79 (Burnsville/Glenville) and WV State Route 5 in Braxton County, WV.
- Proceed Northwest on WV State Route 5, for approximately 15 miles, to US Routes 33 & 119, on the right.
- Turn right onto US Routes 33 & 119 and proceed Northeast, for approximately 1.8 miles, to WV County Route 1, on the left.
- Turn left onto WV County Route 1 and proceed North, for approximately 7.9 miles, to the intersection with WV State Route 47. (*Point No. 1*)
- Turn left onto WV State Route 47 and proceed Northwest, for approximately 1.9 miles, to the Well Access Road, on the right. (Point No. 2)
- Turn right onto the Well Access Road and proceed Southeast, for approximately 0.32 mile, arriving at Gas Well WV 161711. (Point No. 3)

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Office of Oil and Gas

JUN 0 5 2018

WV Department of 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



