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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, March 29, 2021  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

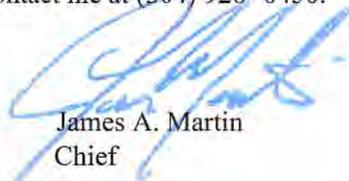
EQT PRODUCTION COMPANY  
625 LIBERTY AVE., SUITE 1700  
PITTSBURGH, PA 15222

Re: Permit approval for 140  
47-033-01636-00-00

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: 140  
Farm Name: ROBINSON, DALLY D.  
U.S. WELL NUMBER: 47-033-01636-00-00  
Vertical Plugging  
Date Issued: 3/29/2021

Promoting a healthy environment.

04/02/2021

H

4703301636P

## 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

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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 within two years of the date of issuance of this permit.

04/02/2021

## PLUGGING PROGNOSIS

650331  
 D.D. Robinson# 140  
 API# 47-033-01636  
 District, Eagle  
 Harrison County, WV

BY: R Green  
 DATE: 01/25/17

**CURRENT STATUS:**  
 TD @ 2569'  
 Elevation @ 1298'

10" casing @ 350' (PULLED)  
 8 1/4" casing @ 960' (PULLED)  
 6 5/8" casing @ 1820'  
 5 3/16" casing @ 1906'  
 2" tubing @ 2569' (Set on 2" X 5 3/16" packer @ 2472')

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JAN 06 2021

WV Department of  
 Environmental Protection

Fresh Water @ None reported  
 Saltwater @ None reported  
 Oil Show @ None reported  
 Gas shows @ 2554'  
 Coal @ 422, & 563'

1. Notify inspector, Sam Ward, @ 304-389-7583, 24 hrs. prior to commencing operations.
2. Release packer and TOO H 2 3/8" tubing & packer.
3. Check TD @ or below 2500', spot 25 bbl. of 6% gelled water, followed by a 300' C1A cement plug. 2500' to 2200' (30 Foot sand). WOC 8 hrs., TAG TOC, add additional C1A cement if necessary.
4. TOO H to 1950' set 100' C1A cement plug 1950' to 1850', (5 3/16" casing seat).
5. Free point 5 3/16" casing, cut casing @ free point, TOO H casing
6. Set a 100' C1A cement plug 50' in/out of cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
7. Free point 6 5/8" casing, cut casing @ free point, TOO H casing
8. Set a 100' C1A cement plug 50' in/out of cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
9. TOO H to 1350, set 100' C1A cement plug across 1350'-1250'. (elevation)
10. TOO H to 1050' set 200' C1A cement plug 1050' to 850'. (8 1/4" casing seat).
11. TOO H to 600', set 300' C1A cement plug 600' to 300'. (Coal & 10" casing seat)).
12. TOO H to 200' set 200' C1A cement plug 200' to surface.
13. Erect monument with API#, date plugged, company name, and company 6-digit ID#.
14. Reclaim location and road to WV-DEP specifications.

SPW  
 1/5/2021

# CARNEGIE NATURAL GAS COMPANY 4703301636P

Map Sheet No. Clarksburg NW RECORD OF WELL Well No. 140  
 Drilled on Nalley D. Robinson #1 Farm of 40 Acres, situate in  
Eagle Township Harrison County WV Lease No. 4137  
 Shipping Point District Foreman M R McInnes  
 R I G W E L L

Located RECEIVED  
 Notified Gen'l Office Office of Oil and Gas  
 Commenced JAN 06 2021  
 Completed  
 Contractor WV Department of Environmental Protection  
 Address  
 Commenced Drilling Sept 10 - 1909  
 Notified Gen'l Office  
 Completed Drilling Mar. 21 1909  
 Notified Gen'l Office  
 Contractor H. M. Barnhart  
 Address

ROCK FORMATION	TOP	BOTTOM	REMARKS	PRESSURE AND VOLUME	
				1/2 Minute	Lbs.
Conductor					
Mapleton Coal	422	427		1 "	"
Pittsburgh Coal	563	571		2 "	"
Little Dunkard	925	940		3 "	"
Big Dunkard	1038	1100		4 "	"
Gas Sand	1265	1310		5 "	"
1st Salt Sand	1375	1415		10 "	"
2nd Salt Sand	1440	1625		15 "	"
Maxton Sand				30 "	"
Little Lime	1767	1779		1 Hour	"
Pencil Cave	1779	1797		Rock	"
Big Lime	1797	1818		Size of Tubing	Inch
Big Injun	1875	2029	<u>6 7/8 x 5 7/16 Anchor</u>	Casing	"
Gantz Sand	2150	2195	<u>packed at 18'</u>	gals. by Water	
50 Foot Sand	2445	2495		" " Mercury	
30 Foot Sand	2547	2569	<u>Gas 2554'-2559'</u>	" " Pressure	
Gordon Stray					
Gordon Sand					
4th Sand					
5th Sand					
Bayard Sand					
Elizabeth					
Speechley					
Bradford					

Total Depth 2569 Feet at \$ \_\_\_\_\_ per Foot \$  
 Gas Furnished at \_\_\_\_\_ Cents per Foot  
**CASING RECORD**

SIZE	CHARGED TO WELL		PUT IN WELL		PULLED		LEFT IN WELL		TRANSFERRED		LEFT AT WELL		PACKER
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	
10			350		350								Kind <u>Anchor</u> Size <u>5 7/16 x 2 1/2</u> Set at <u>2472</u> <u>min</u> <u>Feet</u> <u>7</u> <u>WELL SHOT</u> By _____ With _____ Qts. at _____ Feet
8 1/4			960		960								
6 1/8			1820				1820						
5 7/8			1906				1906						
2			2569				2569						

Casing Cemented in Well \_\_\_\_\_ by \_\_\_\_\_

04/02/2021

4703301636P

WW-4B  
Rev. 2/01

1) Date December 30, 2020  
2) Operator's  
Well No. 650331 Dally D Robinson #140  
3) API Well No. 47-033 - 01636

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil        / Gas X / Liquid injection        / Waste disposal        /  
(If "Gas, Production        or Underground storage       ) Deep        / Shallow X

5) Location: Elevation 1299' Watershed Bingamon Creek  
District Eagle County Harrison Quadrangle Wallace 7.5'

6) Well Operator EQT Production Company 7) Designated Agent Joseph C. Mallow  
Address 400 Woodcliff Drive Address 115 Professional Place  
Canonsburg PA 15317 Bridgeport WV 26330

8) Oil and Gas Inspector to be notified Name Sam Ward  
Address PO Box 2327  
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.**

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

Work order approved by inspector [Signature] Date 1/5/2021

04/02/2021

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WW-1A  
Revised 6-07

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1) Date: December 30, 2020

2) Operator's Well Number  
650331 Dally D Robinson #140

3) API Well No. 17 - 033 - 01636

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

4) Surface Owner(s) to be served	5) (a) Coal Operator
(a) Name <u>ACNR Resources Inc</u>	Name _____
Address <u>46226 National Road</u>	Address _____
<u>St Clairsville, OH 43950</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Murray Energy Corporation</u>
	Address <u>46226 National Road</u>
	<u>St Clairsville, OH 43950</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2327</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</u>	

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-1B 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 reverse 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 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 certain circumstances) on or before the day of mailing or delivery to the Chief.

Commonwealth of Pennsylvania - Notary Seal  
 Rebecca Shrum, Notary Public  
 Beaver County  
 My commission expires March 9, 2024  
 Commission number 1267706  
 Member, Pennsylvania Association of Notaries

Well Operator EQT Production Company  
 By: Erin Spine  
 Its: Supervisor Subsurface Permitting  
 Address 400 Woodcliff Drive  
Canonsburg PA 15317  
 Telephone (724) 271-7380

Subscribed and sworn before me this 30th day of December 2020  
Rebecca Shrum Notary Public  
 My Commission Expires March 9, 2024

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 [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

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7015 0920 0001 7634 1262

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 8.00

Sent To: **ACNR RESOURCES INC**  
 Street & Apt. No., or PO Box No.: **46226 NATIONAL ROAD**  
 City, State, ZIP+4: **ST CLAIRSVILLE OH 43950**

PS Form 3800, J 650331 ROBINSON #140

*Postmark Here*

7015 0920 0001 7634 1255

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Return Receipt Fee (Endorsement Required)	2.85
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 8.00

Sent To: **MURRAY ENERGY CORPORATION**  
 Street & Apt. No., or PO Box No.: **46226 NATIONAL ROAD**  
 City, State, ZIP+4: **ST CLAIRSVILLE OH 43950**

PS Form 3800, J 650331 ROBINSON #140

*Postmark Here*

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04/02/2021

4703301636f

WW-9  
(5-16)

API Number: 47-03301636f  
Operator's Well No: 270011240

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

WV Department of  
Environmental Protection

Operator Name: EQT Production Company OP Code: 300686

Watershed (HUC 10): Binghamon Creek Quadrangle: Wallace 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: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what 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: \_\_\_\_\_)

*S DW  
1/5/2021*

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, 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 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 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: *[Signature]*

Company Official (Typed Name): Erin Spine

Company Official Title: Supervisor - Subsurface Permitting

Subscribed and sworn before me this 30th day of December, 2020

*[Signature]*

Notary Public

Commonwealth of Pennsylvania - Notary Seal  
Rebecca Shrum, Notary Public  
Beaver County  
My commission expires March 9, 2024  
Commission number 1267706  
Member, Pennsylvania Association of Notaries

My commission expires March 9, 2024

04/02/2021

4703301636P

**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

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**Waste Management - Northwestern Landfill**

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

04/02/2021

Proposed Revegetation Treatment: Acres Disturbed 1± Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type (10-20-20) or equivalent

Fertilizer amount 1/3 ton lbs/acre

Mulch 2 Tons/acre

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Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Red Fescue	40
Aslike Clover	5
Annual Rye	15

Seed Type	lbs/acre
Red Fescue	15
Aslike Clover	5

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, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: OOB Inspector

Date: 1/5/2021

Field Reviewed? ( ) Yes ( X ) No

Topo Quad: Wallace 7.5'

Scale: 1" = 2000'

4703301636P

County: Harrison

Date: December 10, 2020

District: Eagle

Project No: 70-36-00-08

# 47-033-01636 WV 650331 (Robinson #140)

Topo



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**NAD 27, North Zone**  
**N:343714.21**  
**E:1743598.53**

**WGS 84**  
**LAT:39.440227**  
**LONG:-80.407669**  
**ELEV:1298.74**



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**

400 Woodcliff Drive  
Canonsburg, PA 15317

04/02/2021

WW-7  
8-30-06

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

API: 47-033-01636 WELL NO.: WV 650331 (Robinson #140)

FARM NAME: Dally D. Robinson

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Harrison DISTRICT: Eagle

QUADRANGLE: Wallace 7.5'

SURFACE OWNER: Consolidation Coal Company

ROYALTY OWNER: Murray Energy Corporation

UTM GPS NORTHING: <sup>436598</sup>  
4365947

UTM GPS EASTING: <sup>550972</sup>  
560551 GPS ELEVATION: 396m (1299ft)

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# 2100  
Title

12/11/2020  
Date



**Site Pictures**  
**Dally D. Robinson #140**  
**WV 650331 47-033-01636**



WV 650331 Well ID Sign



WV 650331 Well Pad Site

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**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

**CHARLESTON OFFICE**

301 RHI. Boulevard - Suite 5  
Charleston, WV 25309  
phone: 304-756-2949 fax: 304-756-2948

33-01636

4703301636 P



400 Woodcliff Dr | Canonsburg, PA 15317  
[www.eqt.com](http://www.eqt.com)

**Via Email**

January 5, 2021

West Virginia Department of Environmental Protection  
Office of Oil and Gas  
Attn: Jeff McLaughlin  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

**RE: Application for a Permit to Plug & Abandon  
650331 Dally D Robinson #140  
API 47-033-01637-01636  
Eagle District, Harrison County, WV**

WVDEP Recipient,

Attached is EQT Production Company's application for a permit to plug and abandon for the well referenced above.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our land department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Sincerely,

Becky Shrum  
Project Specialist - Permitting  
[bshrum@eqt.com](mailto:bshrum@eqt.com)  
724-271-7314

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