

### west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

June 16, 2016

### WELL WORK PLUGGING PERMIT

### Plugging

This permit, API Well Number: 47-4101884, issued to EQT PRODUCTION COMPANY, 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 all 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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

Operator's Well No: 8250

Farm Name: HULL, MARY A.

James Martin

API Well Number: 47-4101884

Permit Type: Plugging Date Issued: 06/16/2016

### 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.

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

Date: May 10, 2016

Operator's Well
Well No. 608250 (Mary A. Hull #1 8250)

API Well No.: 47 041 - 01884

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

CK 20463

45		APP	LICATIO	N FOR	RMIT TO PLUG A	ND ARANDON		
4)	Well Type:	Oil	Gas	х	lquid Injection	Waste Dispo	osal:	
	If Gas, Prod	uction	Х	_Or Und	ound storage	Deep	Shallow	X
5)		Elevation:	1157 ft.	Waters	: Ward Run			
	Location: _	Collins Se	ttlement	County	Lewis	Quadrangle:	Roanoke 7	.5'
	District:							
)		EQT Pro	oduction Co	ompany	7) Designat	ted Agent: Rex C	. Ray	
	Well Operat	or 120 Pro	fessional P	lace	Address:	120 Professiona	al Place	
	Address:	Bridgep	ort, WV 263	330		Bridgeport, WV	26330	
)					9) Plugging	Contractor:		
	Oil & Gas B	arry Stollings			Name:	HydroCarbon Well	Service	
	Name: 2	8 Conifer Driv	/e			PO BOX 995	***************************************	
	Address: B	ridgeport, W\	/ 26330			Buckhannon, WV 2	26201	

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 dis	. 18		an commence.
Work order approved by inspector	Digen Tan	Date (s	1-16

#### PLUGGING PROGNOSIS - Weston

### Hull, Mary #8250 (608250)

Lewis Co., WV API # 47-041-01884 Quad: Collins Settlement

BY: Craig Duckworth

DATE: 5/09/16

### CURRENT STATUS:

13" csg @ 13' 8 5/8" csg @ 963' 4 1/2" tbg @ 4504'

### TD @ 4514'

Fresh Water @ 275'

Salt Water @ None reported

Gas Shows @ None reported

Coal @ None reported

Oil Shows @ None reported

Stimulation: Benson @ 4390'-4410'

Elevation: 1158'

- 1. Notify State Inspector, Barry Stollings 304-552-4194, 24 hrs. Prior to commencing operations.
- TIH w/ tbg @ 4500'; Set 200' C1A Cement Plug @ 4500' to 4300'
- TOOH w/ tbg @ 4300'; gel hole @ 4300' to 3200'
- TOOH w/ tbg @ 3200'; Set 200' C1A Cement Plug @ 3200' to 3000'
- TOOH w/ tbg @ 3000'; gel hole @ 3000' to 2000'
- 6. TOOH w/tbg & free point 4 1/2", cut @ free point TOOH w/4 1/2"
- 7. TIH w/ tbg @ 2000'; Set 200' C1A Cement Plug @ 2000' to 1800'(4 1/2" csg free point)
- Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 4 1/2"
  cut. Do not omit any plugs
- 9. TOOH w/ tbg @ 1800'; gel hole @ 1800' to 1200'
- 10. TOOH w/ tbg @ 1200'; Set100 C1A Cement Plug @ 1200' to 1100' (Elevation @ 1158')
- 11. TOOH w/ tbg @ 1100'; gel hole @ 1100' to 1000'
- 12. TOOH w/ tbg @ 1000'; Set 200' C1A Cement Plug @ 1000' to 800'(8 5/8" csg @ 963')
- Set a 100' C1A Cement Plug 50' In/Out of cut. Perf all FW, Coal, Oil and Gas shows below 8 5/8" cut. Do not omit any plugs
- 14. TOOH w/ tbg @ 800'; gel hole @ 800' to 300'.
- 15. TOOH w/ tbg @ 200'; Set 300' C1A Cement Plug @ 300' to Surface (FW @ 275' & 10" @ 14')
- 16. Top off as needed
- 17. Set Monument to WV-DEP Specifications
- 18. Reclaim Location & Road to WV-DEP Specifications

RECEIVED

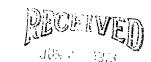
Office of Oil and Gas

MAY I 7 2016

WV Department of Environmental Protection OG-10 Rev. - 9-71







### Oil and Gas Division DFF

**RECORD** 

Quadrangle Crawford N. W.

Permit No. LEW- 1884

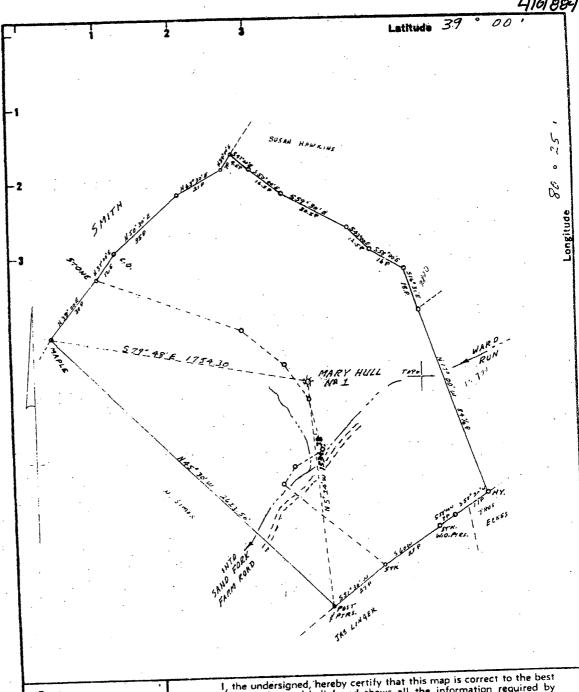
Gas \_\_ X \_\_c wner Recycling Comb. Water Flood\_\_ Storage . Disposal\_ (Kind)

Company Union Drilling, Inc.  Address P. O. Box 347, Buckhannon, Farm Mary Hull  Sand Fark	W. VA.	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Sand Fork	<del></del>	Size			
Well No. (1) 290-E Ele		20-16			
District Collins Settlementunty		Cond.	<del> </del>		
The surface of tract is owned in fee by		9 5/8	141	14'	
Address Rt. #2, Roanoke, W. Va. 26	423	8 5/8	963'	963'	
Mineral rights are owned by (SAME)	<del></del>	7	<del> </del>		
	<del> </del>	5 1/2	-	ļ	
Drilling Commenced March, 24, 1973		4 1/2	45041	4594	
Drilling Completed March, 29, 1973		3		ļ	
Initial open flow 29,326 cu. ft.		2	ļ	ļ	
Final production_1067.000u. ft. per day _		Liners Used		<u> </u>	
Well openhrs. before test	1440 RP.		L	<del> </del>	
Well treatment details:		Attach copy of o	cementing reco	rd.	
5/31/73 - Dowell - 1 Stage -	Benson - 30	,072 Gal, Wat	terfrac -	30,000 Lb	sSand
	<del> </del>		<del></del>		
	·			··	
			•		
			··	<del></del>	
Coal was encountered atNone					
9					_ Feet
Producing Sand Benson		Depth			
			<del></del>		
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	Water	* Remarks
Clay	0	9			
Sand	ğ	44	1		
Red Rock & Sand	44	275			
Sand & Shale	275		1		
	413				
Red Rock, Sand & Streaks	605	605			
Red Rock,Sand & Streaks Sand & Shale					
•	605	605 625			
Sand & Shale	605 625	605 625 839			
Sand & Shale Sand Sand & Shale & Streaks Sand & Shale	605 625 839	605 625 839 965			
Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand	605 625 839 965 1335 1540	605 625 839 965 1335 1540 1640			
Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand Lime & Red Rock	605 625 839 965 1335 1540	605 625 839 965 1335 1540 1640 1698			
Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand Lime & Red Rock Big Lime	605 625 839 965 1335 1540 1649	605 625 839 965 1335 1540 1640 1698			
Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand Lime & Red Rock Big Lime Injun Sand	605 625 839 965 1335 1540 164 <b>9</b> 1698	605 625 839 965 1335 1540 1640 1698 1787			
Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand Lime & Red Rock Big Lime Injun Sand Sand & Shale	605 625 839 965 1335 1540 1649 1698 1787	605 625 839 965 1335 1540 1640 1698 1787 1881			
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Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand Lime & Red Rock Big Lime Injun Sand Sand & Shale Sand , Shale Sand	605 625 839 965 1335 1540 1649 1698 1787 1881 1990 2249	605 625 839 965 1335 1540 1640 1698 1787 1881 1990 2249 2360		0 = 1) / F F	•
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Sand & Shale Sand Sand & Shale & Streaks Sand & Shale Red Rock & Sand Lime & Red Rock Big Lime Injun Sand Sand & Shale Sand , Shale Sand Sand & Shale Sand Sand	605 625 839 965 1335 1540 1640 1698 1787 1881 1990 2249 2360 3285 3975	605 625 839 965 1335 1540 1640 1698 1787 1881 1990 2249 2360 3285 3975 4180	RE(	Oil and	) d Gas
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(over)

\* Indicates Electric Log tops in the remarks section.

WV Department of Environmenta Derotections



Fracture Before 6/5/29 New Location Drill Deeper
Unit Deeper
Redrill
Abandonment
Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION Resp. FIT MYSOS 3200' SW 15 (228)

PROVEN ELEVATION TOP IN STREET SECTION 15 (2.28) lations.

Company UNION PRILLING INC.
Address Box 347, Busk Hannen, W. VA.
Farm MARY A. HULL
Acres /08 Lease No. 25058
17act
Well (Farm) No. / Serial No. 290-F
Elevation (Spirit Level) 1/58
Quadrangle LRAWFORD
County LEWIS District COLLINS, SOTT
Engineer PAUL PEAN
Engineer's Registration No. 1854
File No. (36-14 - 11 Drawing No. 72-46
Date NOV. 16, 1972 Scale 1' = 301 = 495'

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

WELL LOCATION MAP

+ Denotes location of well on United States
Topogreffice of Gliand Case latitude and longitude lines being represented by border lines As how 2016

- Denotes one inch spaces on borde. The WV Department of

Environmental Protection

WW-4-A	
Revised 6/07	

	1)	Date:		Ma	y 10	0, 2016	
-	2)	Operator's We 608250 (Mary			50)		
4	3)	API Well No.:	47	041	-	01884	

State County

Permit

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

4)	Surface Owner(s	to be served:	5) (a) Coal	Operator:
	(a) Name	Clara Spray	Name	None
	Address	153 Sammy Run Road	Address	-
		Walkersville, WV 26447		
	(b) Name		(b) Coal Ov	vner(s) with Declaration
	Address		Name	Clara Spray
				153 Sammy Run Road
			Address	Walkersville, WV 26447
	(c) Name		Name	-
	Address		Address	
			_	
6)	Inspector	Barry Stollings	(c) Coal Le	ssee with Declaration
	Address	28 Conifer Drive	Name	None
		Bridgeport, WV 26330	Address	
	Telephone	(304) 552-4194		

### 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:
By:
Victoria J.Roark
Victoria J.Roark
Permitting Supervisor
PO Box 280
Bridgeport, WV 26330
Telephone:

Subscribed and sworn before me this
Subscribed and sworn before me this
My Commission Expires:

Well Operator:
EQT Production Company
Victoria J.Roark
Permitting Supervisor
Address:
PO Box 280
Bridgeport, WV 26330

Gay of May
Notary Public FiveD

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 Sollact DEE's Chief Privacy Officer at depprivacyofficer@wv.gov.

NOTARY PUBLIC

Misty S Christie

Bridgeport, WV 26330 
My Commission Expires February 20, 2018

WV Department of Environmental Protection WW-9 Revised 2/03

Page	of	
2) Opera	tor's Well Number	
608250 (	Mary A. Hull #1 8250	0)
3) API W	/ell No.: 47 041 -	01884

### STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name:	EQT PROD	DUCTION COMP	ANY	OP	ID:
Watershed:		Ward Run		Quadrangle:	Roanoke 7.5'
Elevation:	1157 ft.	County:	Lewis	District:	Collins Settlement
Description of anti-	cipated Pit Wa	iste:		Formation Flu	uids
Do you anticipate Will synthetic liner	product and the second second			e the proposed well , what ml.?	work? Yes_ No X No
Proposed Disposa	Land Ap Undergo Reuse ( Offsite I	oplication round Injection - ( at API Number) - Disposal Permit#	UIC Permit Num - Various	nber	
Drilling medium ar If oil ba Additives to be use	sed, what type		the same that the same to be a second	ed, etc.	
I certify that I un issued on August understand that th general permit and I certify under pen- application form an responsible for ob-	nderstand and 1, 2005, by the e provisions o d/or other appl alty of law that nd all attachmentaining the info	e Office of Oil and f the permit are e icable law or regu I have personall ents thereto and to ormation, I believe	d Gas of the We inforceable by la ulation can lead y examined and that, based on n e that the inform	st Virginia Division of any Violations of any to enforcement action am familiar with the only inquiry of those in action is true, accurate	WATER POLLUTION PERMIT of Environmental Protection. I of terms or condition of the on. of information submitted on this of dividuals immediately the and complete. I am aware the of fine or imprisonment.
Company Off	icial Signatur	re	26	ut R	
Company Off	icial (Typed	or Printed) V	/ictoria Roark		
Company Off	icial Title	Perr	mitting Superv	isor-WV	
Subscribed and	d sworn before	1	the day of		PECEIVED
	n Evolenc	stroli8	usin	Nota	ry PublicOffice of Oil and (

# 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

RECEIVED
Office of Oil and Gas

MAY 1 7 2016

WV Department of Environmental Protection 16

TTTACH: rawing(s) of road, location, pit and proposed area for land application. hotocopies section of involved 7.5' topographic sheet.  Jun 0 7 26  Tertilizer (10-20-20) or equivalent 1/3 ton 1bs/acre (500 lbs minimum)  Ibs/acre (500 lbs minimum)  Ibs/acre (500 lbs minimum)  Area II  Seed Type Ibs/acre Seed Type Ibs/acre  Red Fescue 15  Alsike Clover 5  Alsike Clover 5  TTACH: rawing(s) of road, location, pit and proposed area for land application. hotocopies section of involved 7.5' topographic sheet.  Jun 0 7 26  Jun 0 7 26			k wil		OPERATOR'S 608250 (Mary A. H	
Road  Planned Fence Planned Fe			LEG	END		
Road Planned Fence Planned Fen	Property Bo	oundary 📥	A .	Diversion	11111	111
Planned Fence Planned Fence  Drain Pipe with size in inches  Existing Fence  XXXX  Open Ditch  Artificial Filter Strip  XXXX  North  Building  Water well  Pit with Cut Walls  Pit with Cut Walls  Pit with Cut Walls  Pit with Compacted Walls  Area of Land Application of Pit Waste  Possed 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  Building  Water well  Drill site  Prevegetation pH  Lime  3 Tons/acre or to correct to pH  6.5  Fertilizer (10-20-20) or equivalent  1/3 ton  Building  Area of Land Application of Pit Waste  Dis/acre (500 lbs minimum)  Mulch  2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type  Bus/acre  Red Fescue  15  Alsike Clover  5 Alsike Clover  6 FFIGE OF ULL Alsike Clover	Road			Spring	Wet Spot	
Existing Fence  Stream  Cross Drain  Artificial Filter Strip  North  Building  Water well  Pit with Cut Walls  Pit with Cut Walls  Pit with Compacted Walls  Area of Land Application of Pit Waste  Possed 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  Ibs/acre (500 lbs minimum)  Mulch  2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type  Ibs/acre  Red Fescue  40  Red Fescue  15  Alsike Clover  5  Alsike Clover  6  Alsike Clover	=====	======		$\circ \longrightarrow$	-R-	
Existing Fence  Cross Drain  Cross Drain  Artificial Filter Strip  North  Building  Water well  Pit with Cut Walls  Pit with Compacted Walls  Area of Land Application of Pit Waste  Prevegetation 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  Ibs/acre (500 ibs minimum)  Mulch  2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type  Ibs/acre  Red Fescue  40  Red Fescue  15  Alsike Clover  5  Alsike Clover  6  Alsike Clover			Drain Pipe w	ith size in inches	Water Wa	у
Open Ditch Artificial Filter Strip Rock ROSS North Building Water well Drill site W Pit with Cut Walls Pit with Compacted Walls Pit with Compacted Walls Prevegetation pH Lime 3 Tons/acre or to correct to pH 6.5 Fertilizer (10-20-20) or equivalent 1/3 ton Building Water well Drill site W Prevegetation of Pit Waste  Lime 3 Tons/acre or to correct to pH 6.5 Fertilizer (10-20-20) or equivalent 1/3 ton Bus/acre (500 ibs minimum) Mulch 2 Tons/acre or hydroseed. SEED MIXTURES Area I  Seed Type Bus/acre Red Fescue 40 Red Fescue 15 Alsike Clover 5 Alsike Clover 6 Alsike Clover 6 Alsike Clover 7 Alsike Clover	-/-	/-/		⑩ —→	€	+
North    Building   Water well   Drill site			Stream	<b>~</b> =		
Pit with Cut Walls  Pit with Compacted Walls  Area of Land Application of Pit Waste  Dosed 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 Ibs/acre (500 lbs minimum)  Mulch 2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type Ibs/acre  Red Fescue 40 Red Fescue 15  Alsike Clover 5 Alsike Clover 5  Annual'Rye 15  ATTACH:  Description of Pit Waste  Prevegetation of Pit Waste  Prevegetation pH  6.5  Area II  Seed Type Ibs/acre  Seed Type Ibs/acre  Area II  Seed Fescue 15  Alsike Clover 5  Alsike Clover 5  Jun 0 7 20  Description of involved 7.5' topographic sheet.  Jun 0 7 20  Description of Involved 7.5' topographic sheet.  Jun 0 7 20  Description of Involved 7.5' topographic sheet.  Jun 0 7 20  Description of Involved 7.5' topographic sheet.  Jun 0 7 20  Description of Involved 7.5' topographic sheet.  Jun 0 7 20  Description of Involved 7.5' topographic sheet.  Jun 0 7 20  Description of Involved 7.5' topographic sheet.						
Pit with Cut Walls  Pit with Compacted Walls  Area of Land Application of Pit Waste  posed 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 Ibs/acre (500 lbs minimum)  Mulch 2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type Ibs/acre  Red Fescue 40 Red Fescue 15  Alsike Clover 5 Alsike Clover 5  Annual Rye 15  Arrach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopies section of involved 7.5' topographic sheet.  Jun 0.7 21  Plan approved by: Augustian	North		Building	Water well	Drill site	
Pit with Cut Walls  Pit with Compacted Walls  Area of Land Application of Pit Waste  Provederation 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 Ibs/acre (500 fbs minimum)  Mulch 2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type Ibs/acre  Red Fescue 40 Red Fescue 15  Alsike Clover 5 Alsike Clover 5  Annual Rye 15  Arrach:  Drawing(s) of road, location, pit and proposed area for land application.  Photocopies section of involved 7.5' topographic sheet.  Drawing (s) Drawing (s) of road, location, pit and proposed area for land application.  Plan approved by:  Arrach:  Drawing (s) Drawing (s) of road, location, pit and proposed area for land application.  Photocopies section of involved 7.5' topographic sheet.  JUN 0 7 20	N			W	$\oplus$	
Mulch 2 Tons/acre or hydroseed.  SEED MIXTURES  Area I  Seed Type Ibs/acre Seed Type Ibs/acre  Red Fescue 40 Red Fescue 15  Alsike Clover 5 Alsike Clover 5  Annual Rye 15  ATTACH:  Prawing(s) of road, location, pit and proposed area for land application.  Photocopies section of involved 7.5' topographic sheet.  Plan approved by:  Drawing Area II  Area II  Area II  Drawing Fescue 15  Alsike Clover 5  ALSIKE CLOV	posed Revegeta	tion Treatment: A	cres Disturbed	1+ Drovenetatio	on nH	
SEED MIXTURES  Area I  Seed Type Ibs/acre Seed Type Ibs/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:  Buyer Fig.	_ime3	Tons/ac	re or to correct to p	oH <u>6.5</u>		
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.  Jun 07 20	ime 3 Fertilizer (10-20	Tons/ac 0-20) or equival	re or to correct to pent	oH <u>6.5</u>		bs minimum)
Alsike Clover 5 Annual'Rye 15  Alsike Clover 5  Alsike Clover	_ime3 Fertilizer (10-20 Mulch2	Tons/ac 0-20) or equival Tons/ac	re or to correct to pent re or hydroseed.	0H 6.5 1/3 ton	lbs/acre (500 i	bs minimum)
Alsike Clover 5 Annual'Rye 15  Alsike Clover 5 Alsike Clover 5 Alsike Clover 5  Alsike Clover 5  Alsike Clover 5  Alsike Clover 5  Alsike Clover 5  Alsike Clover 5  Alsike Clover 5  DECEIVED  ATTACH:  OFFICE OF OIL A  Photocopies section of involved 7.5' topographic sheet.  Jun 07 20  Plan approved by:  Alsike Clover 5  Alsike Clover 5  DECEIVED  Alsike Clover 5  DECEIV	Lime 3 Fertilizer (10-20 Mulch 2	Tons/ac 0-20) or equivale Tons/ac	re or to correct to pent re or hydroseed. SEED MIXTUR	0H6.5 1/3 ton	lbs/acre (500 i	
ATTACH:  Orawing(s) of road, location, pit and proposed area for land application.  Photocopies section of involved 7.5' topographic sheet.  Plan approved by:  Days Face	Lime 3 Fertilizer (10-20 Mulch 2	Tons/ac 0-20) or equivale Tons/ac	re or to correct to pent re or hydroseed. SEED MIXTUR	oH 6.5  1/3 ton  ES  Seed Type	lbs/acre (500 i	lbs/acre
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	Fertilizer (10-20 Mulch 2  Seed Type Red Fescue Alsike Clover Annual'Rye	Tons/ac 0-20) or equival Tons/ac Area I	re or to correct to pent re or hydroseed. SEED MIXTUR s/acre 40 5 15	1/3 ton  ES  Seed Type  Red Fescue  Alsike Clover	Ibs/acre (500 l	ibs/acre 15 5
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	Fertilizer (10-20 Mulch 2  Seed Type Red Fescue Alsike Clover Annual Rye  ATTACH: Drawing(s) of roa Photocopies sect	Tons/ac  Tons/ac  Tons/ac  Tons/ac  Area I  Ibs  ad, location, pit antion of involved 7.	re or to correct to pent re or hydroseed. SEED MIXTUR s/acre 40 5 15	1/3 ton  ES  Seed Type  Red Fescue  Alsike Clover  land application.	Ibs/acre (500 l	ibs/acre 15 5
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Topo Quad:	Roanoke 7.5'		Scale:	1" = 2000'		
County:	Lewis		Date:	April 26, 2016		
District:	Collins Settlement		Project No:	73-12-00-08		-
	47-041-01884	WV 608250	(Mary	A. Hull #1	8250)	Торо
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White Oak Lick R				5 00		
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400	1500	1600				9/
		Bald Knob				7/2
			1500			( ) h
			WV 6082	FO.		100
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LEGHA	SURVEYING AND MAPPIN		1		AY 1 7 2016	
UL PVEYS.	237 Bird Birch Riv PH: (30	SURVEYS, 0-482-8606 h River Road ver, WV 26610 14) 649-8606 04) 649-8608	INC. E	EQT Produc Web Envariga	PPTE WY 26330 Ote	mpany of cection 6/17/2016



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

ps of Engineers  rps of Engineers, et al.  352m (1157 ft)  ordinates in lieu of d API number on the
352m (1157 ft)
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352m (1157 ft)
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meters, Altitude:
well location.  y knowledge and ions issued and RECEIVED Office of Oil and Gas
Date  WV Department of Environmental Protection 06/17/2

Topo Quad:	Roanoke 7.5'	Scale: 1" = 2000'	
County:	Lewis	<b>Date:</b> April 26, 2016	
District:	Collins Settlement	Project No: 73-12-00-08	
Water	47-041-01884 WV 60825	0 (Mary A. Hull #1	8250)
Autor Routh Jan	No Potential Water	Sources within 1000'	4
White Oak Eick			
100	1500 1600 Bald Knob		
		08250 -01884	
	DUNKIN RUH RO	G. 19/11	
E. Ja		1300 Run	
110		1300	Hog H
CR 19110	1200 ps + 13		NAD 27, South Zone N:703462.05 E:2155657.23
		Vice Sand Fine Sort	WGS 84 LAT:38.930661 PLEOUEN #50.452672 ⊝ELIEM 1156.678
LEGHAN ON OUT OF THE PERSON OF	SURVEYING AND MAPPING SERVICES PERFORM  ALLEGHENY SURVEYS  1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608	. INC. EQT Produc	MAY 1 7 2016 CTION COMPANY Sort, WV 28330 COMMENTAL Protection 06/17/2016



### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Mary A. Hull #1 8250 - WV 608250 - API No. 47-041-01884

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 608250.

RECEIVED
Office of Oil and Gas

BIRCH RIVER OFFICE 237 Birch River Road

Birch River, WV 26610 phone: 304-649-8606 ma: 304-649-8608 BRIDGEPORT OFFICE

172 Thompson Drive Bridgeport, WV 26330 Mone 304-848-5035 Max 304-848-5037 ALUM CREEK OFFICE P.O. Box 108 - 1413 Childress Rd

Alum Creek, WV 25003 phase: 304-756-2949 fax: 304-756-2948 MAY 1 7 2016

MARTINSBURG OFFICE

25 Lights Addition Drive
WV Departments 014

avironmental Protection