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**west virginia** department of environmental protection

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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

January 08, 2016

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-2103145, 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 penalties 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.

James Martin

Chief

Operator's Well No: 7284

Farm Name: HARRIS

**API Well Number: 47-2103145**

**Permit Type: Plugging**

Date Issued: 01/08/2016

**Promoting a healthy environment.**

**01/08/2016**

## 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

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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 under the terms of that agreement.

01/08/2016

2103145P

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

Date: November 10, 2015  
Operator's Well  
Well No. 607284 (Harris #7284)  
API Well No.: 47 021 - 03145

*CK20018  
30000*

STATE OF WEST VIRGINIA  
DIVISION 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          X   Or Underground storage        Deep        Shallow   X  

5) Elevation: 1058 ft. Watershed: Laurel Run  
Location: Dekalb -02 County: Gilmer Quadrangle: Burnt House 7.5' 213  
District:       

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

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

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

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

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

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Environmental Protection

*OK J...m*

OFFICE USE ONLY

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

Work order approved by inspector \_\_\_\_\_

Date \_\_\_\_\_



## PLUGGING PROGNOSIS

A.B.Harris # 7284  
 607284  
 District, DeKalb  
 Gilmer Co. WV  
 API # 47-021-03145  
 BY: R. Green  
 DATE: 11/9/15

**CURRENT STATUS:**

Elevation @ 1057'  
 TD @ 2114'  
 10" csg @ 181'  
 8 1/4" csg @ 974'  
 6 5/8" csg @ 1581'  
 5 3/16" liner @ 84', (set on bottom)  
 3" tubing @ 2114' (set on 3" x 5 3/16" packer @ 1965')  
 Fresh Water @ None reported  
 Coal, @ none reported  
 Saltwater @ 1856'  
 Gas show @ 1856', & 1993' to 1998'  
 Oil show @ 1993'to1998'.

1. Notify State Inspector, Danny Mullins @ 304-932-6844, 48 hrs. prior to commencing operations.
2. TIH check TD and locate 3"x 5 3/16" packer
3. Shoot 3" tbg off at top of packer, TOOH 3" tbg.
4. RIH tbg to top of packer, set 200' C1A cement plug, 1965' to 1765', (packer seat and gas show at 1993')
5. WOC 8 hrs. add additional C1A cement if necessary to achieve TOC at 1765' <sup>GOOD</sup>
6. TOOH tbg to 1765', gel hole 1765' to 1650'.
7. TOOH tbg to 1650', set 200' C1A cement plug 1650' to 1450', (6 5/8" casing seat) TOOH tbg.
8. Free point 6 5/8" casing, cut casing at free point, (EST@1400') TOOH casing.
9. Set 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.
10. TOOH tbg to 1350', gel hole 1350' to 1100'.
11. TOOH tbg to 1100', set 200' C1A cement plug 1100' to 900', (Elevation and 8 1/4" casing seat). TOOH tbg.
12. Free point 8 1/4" casing, cut casing at free point, (EST@700') TOOH casing.
13. Set 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.
14. TOOH tbg to top of casing cut plug, gel hole from plug to 500'.
15. TOOH tbg to 500', set 100' C1A cement plug, 500' to 400'. (Safety plug).
16. TOOH tbg to 400', gel hole 400' to 250'.
17. TOOH tbg to 250', set 250' C1A cement plug from 250' to surface. ( 10" casing seat).
18. Erect monument with API# and date plugged.
19. Reclaim road and location to WV-DEP specifications.

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OK gym

**SPECIAL WELL TEST REPORT**  
FORM G39-27253

**Harris 607284**

**API 47-021-03145P**

Special Test  Cleaning  Bailing  Swabbing  Pumping  Shooting

Equitable Gas Company

WELL NO. 7284

Lease No. 13298 Farm Harris, A.B. Acres 50 Map Hol. S.W. 3-3

Twp. or Dist. DeKalb County Gilmer State WV Other wells on lease

Date completed 10-8-20 O.D.O.F. M. Cu. Ft. O.R.P. Producing sand B.I.

Gas at 1856-57, 1993-98 Volume factor Tubed with 2114 ft. of 3 in. thg.

Packed at 1965 ft. With 5 3/16 x 3 inch Anc. Packer

CASING RECORD: 10" 181 ft. 8 1/4" 974 ft. 6 5/8" 1581 ft. 5 1/2" 84

Total depth 2114 ft. Top of fluid at 1914 Oil ft. Bridged at ft. Depth after this work 2114 ft.

**OPEN FLOW AND MINUTE PRESSURE TESTS OF GAS FROM 3 INCH TUBING  CASING**

	"U" Tube Reading	M or W	Size Opening	Pitot or F.M.	Open Flow	L/P	1/2 Min.	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	R/P	Hrs.	Date
Before	Against Line Pressure	xxx	x	xxx	xx	xxx	38	38	38	38 1/2	38 1/2	39	39		
	From Atmosphere	14/10	W	7/8"	F.M.	15.3M	1/2	1	2	3	4	5			
After	Against Line Pressure	xxx	x	xxx	xx	xxx	32	33	34	35	36	37	38		
	From Atmosphere	34/10	W	7/8"	F.M.	23.8M	1	2	4	6	8	10 1/2	50	20	2-6-76

REMARKS (concerning wells condition, work done, machine used, etc.) Used bailing machine #784.

RECOMMENDATION Bail again within 12 months.

Amount Royalty \$ 300.00 Amount of free gas allowed per yr. - M Cu. ft. Amount used last 12 months - M Cu. ft.

	This Job	Total Previous	TOTAL EXPENSE LAST TWELVE MONTHS
EXPENSE: Cleaning.....	\$ <u>420.00</u>	\$ <u>None</u>	\$ <u>420.00</u>
Bailing.....			
Swabbing.....			

Commenced work 2-4-76 19\_\_

Completed work 2-6-76 19\_\_

Date of this report 2-6-76 19\_\_

*Louis D. Kasper*  
Division Superintendent

Geologist's Recommendation \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_ 19\_\_

Land Agent's Report \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_ 19\_\_

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NOV 16 2015 Geologist  
WV Department of Environmental Protection  
01/08/2016

WELL NO. *2014* LESSOR *HARRIS A.B.* LEASE NO. *13298* ACRES *50* MAP *HOL* SW *3* ELEVATION *L DIV. K. DIST. GLENVILLE*

TWP OR DIST.	FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	CLASSIFICATION
<i>DE KALB</i>	<i>WATKINSBURG COAL</i>	<i>Sand</i>	<i>40</i>	<i>120</i>			<i>GANTZ 1/2 IN SAND</i>						
<i>W/O NO.</i>	<i>MAPLETON</i>						<i>3/2 SAND (NINEVAH)</i>						
<i>DATE</i>	<i>REDSTONE</i>	<i>Sand</i>	<i>205</i>	<i>248</i>			<i>BLUE SAND (BLUE MON.)</i>						
<i>CONTRACTOR</i>	<i>PITTSBURGH</i>						<i>COOR. STRAY SAND</i>						
<i>PER FT.</i>	<i>MURKIN SAND</i>	<i>Sand</i>	<i>625</i>	<i>650</i>			<i>GORDON SAND (THIRD)</i>						
<i>COMMENCED</i>	<i>AVON LIMESTONE</i>						<i>4TH</i>						
<i>DATE</i>	<i>BAKERSTOWN COAL</i>						<i>5TH A</i>						
<i>COMPLETED</i>	<i>L. DUNKARD SAND</i>	<i>Sand (Grity L.)</i>	<i>945</i>	<i>955</i>			<i>5TH A (MCDONALD)</i>						
<i>DATE</i>	<i>W. DUNKARD SAND</i>						<i>6TH A</i>						
<i>PURCHASED FROM</i>	<i>UPPER FREEPORT COAL</i>						<i>GAYARD</i>						
<i>DATE</i>	<i>W. FREEPORT SAND</i>	<i>Sand</i>	<i>1120</i>	<i>1130</i>			<i>GAYARD STRAY SAND</i>						
<i>OUTSIDE SERIAL NO.</i>	<i>E. FREEPORT SAND</i>						<i>STR. SD.</i>						
<i>SOLD TO</i>	<i>K. FREEPORT SAND</i>						<i>ELIZABETH SAND</i>						
<i>DATE</i>	<i>1ST WADREN SAND</i>						<i>2ND</i>						
<i>DATE ABANDONED</i>	<i>SPEECH STRAY SAND</i>						<i>3RD</i>						
<i>DATE PLUGGED</i>	<i>SPEECHLEY SAND</i>						<i>TIONA SAND</i>						
<i>ANNUAL ROYALTY</i>	<i>1ST BALLTOWN SAND</i>						<i>2ND</i>						
<i>WORKMEN'S COMP. NOTICE POSTED</i>	<i>3RD</i>						<i>1ST BRADFORD (WENSCHE)</i>						
<i>DRILLER'S LOG IN FILE</i>	<i>2ND</i>						<i>3RD</i>						

CASING AND TUBING DATA				
SIZE	PUT IN	DATE	PULLED	DATE
12"				
10"	181	6-22-06		
8 1/2"	474			
8 1/2"	1511			
5 1/2"				
5 1/2"	24			
3"	2006		2006	6-4
3"	2015	6-26		

COAL DATA		PACKER DATA	
OWNER	ADDRESS	DATE SET	KIND
<i>1ST GAS SAND</i>	<i>MERCER COAL</i>		
<i>1ST SALT SAND</i>	<i>1ST BRADFORD</i>	<i>1965</i>	<i>4" 5 3/4 X 3</i>
<i>2ND</i>	<i>2ND</i>	<i>1965</i>	<i>4" 5 3/4 X 3</i>
<i>3RD</i>	<i>3RD</i>		

DEPARTMENT OF MINES DATA		CASING CEMENTED	
DRILLING PERMIT NO.	DATE	FROM	TO
<i>1779</i>	<i>12-15</i>		
<i>1829</i>	<i>12-15</i>		
<i>1825</i>	<i>12-15</i>		
<i>1856-7</i>	<i>12-15</i>		
<i>1858</i>			

FREE GAS DATA		OIL DATA	
ANNUAL ALLOWANCE	CONSUMER	TOTAL DEPTH	TOTAL DEPTH
<i>15</i>	<i>(9)</i>	<i>2118</i>	<i>2005</i>
		<i>6/19/06</i>	<i>245</i>

OPEN FLOW VOLUME & PRESSURE DATA

DATE	READING	LIQUID	SIZE	MINUTES	24 HR. 24 DAY	VOLUME	PRODUCING SAND	C/O NO.	DATE LAID	DATE RCL'D	SIZE	FEET LAID	FEET RCL'D	REMARKS	
<i>10-8-20</i>	<i>17</i>	<i>M</i>	<i>3"</i>	<i>120</i>	<i>125</i>	<i>130</i>	<i>135</i>	<i>140</i>	<i>145</i>	<i>150</i>	<i>155</i>	<i>160</i>	<i>165</i>	<i>170</i>	<i>175</i>
<i>6-13-06</i>	<i>S.P.</i>	<i>12</i>	<i>1 1/2"</i>	<i>17</i>	<i>22</i>	<i>28</i>	<i>47</i>	<i>53</i>	<i>64</i>	<i>68</i>	<i>76</i>	<i>120</i>			

REPAIR AND DRILLING DEEPER

W/O-M/O NO.	DATE	REASON	COMMENCED	COMPLETED	C/O OR D/O TO	VOLUME		ROCK PRESS.		DATE	AMT.	DEPTH	VOLUME	
						BEFORE	AFTER	BEFORE	AFTER				BEFORE	AFTER
<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>	<i>11-11-06</i>

PRESENT  
*D.*  
 $3114 - 3' \times 4.55 = 8940$   
 $1119 - 5' \times 12.72 = 1245$   
 $10025$

21031457



1) Date: November 10, 2015  
2) Operator's Well Number  
607284 (Harris #7284)  
3) API Well No.: 47 021 - 03145  
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:  
(a) Name Carolyn Hanson  
Address 48 Boyd Road  
Tornado, WV 25202-7506  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Danny Mullins  
Address 220 Jackacres Road  
Buckhannon, WV 26201  
Telephone (304) 932-6844

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name See Attachment  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE:**

You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

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

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



OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
Misty S. Christie  
1207 Briercliff Rd  
Bridgeport, WV 26330  
My Commission Expires February 2018

Well Operator:  
EQT Production Company  
Victoria J. Roark  
Permitting Supervisor  
PO Box 280  
Bridgeport, WV 26330  
(304) 848-0076

Subscribed and sworn before me this 2nd day of December, 2015  
Misty S. Christie  
My Commission Expires: 2/20/18

day of December, 2015  
Notary Public

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of 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.

WW2-A

**Additional Coal Owners**

Sheila O. Dennis  
105 Hilcrest Ave.  
Elkview, WV 25071-9505

Marie F. Drain  
716 Fox Avenue  
Harrisville, WV 26362-1104

S&R Gas Ventures  
Attn: Bob Radabaugh  
P. O. Box 172  
Sand Fork, WV 26430-0172

Ernest L. Arbuckle Family Trust  
Security National Trust Company, Trustee  
1300 Chapline Street  
Wheeling, WV 26003-3348

EQT Production Company  
EQT Plaza  
625 Liberty Avenue  
Suite 1700  
Pittsburgh, PA 15222

Kathrin Harris  
1149 Chesterfield Lane  
Grayslake, IL 60030-3799

Judith A. Osbourn  
P. O. Box 1034  
Clendenin, WV 25045-1034

Sharon D. Wick  
734 Hollywood Avenue  
Sheffield Lake, OH 44054-1221

Shelly D. Palmer  
37528 Sharpe Avenue  
Willoughby, OH 44094-6015

Sharlene D. Miller  
16719 Fischer Road  
Cleveland, OH 44107-5535

Albert P. Black  
c/o Kathryn Ellyson  
3805 21st Street, West  
Leigh Acres, FL 33971-5622

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Barbara S. Stine  
5825 Morgantown Drive  
Olive Branch, MS 38654-3548

Bernard B. Beall  
Rt. 2, Box 4  
Harrisville, WV 26362-9602

David R. Poling  
1560 Washington Lane  
West Chester, PA 19382-6832

Kathlyn B. Ellyson  
3805 21st Street, West  
Lehigh Acres, FL 33971-5622

Kathlyn H. Waltermire  
P. O. Box 540  
Colonial Beach, VA 22443-0540

Mary C. Rowe  
c/o Marie Drain  
716 Fox Avenue  
Harrisville, WV 26362-1104

Mary H. Black  
5821 Buckingham Road #6  
Fort Myers, FL 33905

Robert U. Harris  
881 McQueen Blvd.  
St. Albans, WV 25177-3752

Stanley M. McClain  
90 Hidden Lane  
Horner, WV 26372-9745

Bosworth Fund  
3 South Blvd.  
Richmond, VA 23220-5722

Kathryn B. Ellyson  
and Willard G. Ellyson  
3805 21st St. West  
Lehigh Acres, FL 33971-4015

Stephen B. Zinn  
2929 Fairfax Road  
Cleveland Heights, OH 44118-4015

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2103145P

David L. Zinn Trust  
c/o Bank One  
P. O. Box 99084  
Fort Worth, TX 76199-0084

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NOV 16 2015  
WV Department of  
Environmental Protection

01/08/2016

Operator's Well Number: 607284 (Harris #7284)

**INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE**

The well operator named on the attached page WW-4(B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the date on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas


This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on the obverse side of this application

Note: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner or Lessee for plugging" prior to the issuance of this plugging permit.

**WAIVER**

The undersigned operator \_\_\_\_\_ / owner \_\_\_\_\_ / lessee \_\_\_\_\_ of the coal under this well location has examined this proposed plugging work order. The undersigned has not no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: \_\_\_\_\_

By:  \_\_\_\_\_  
Its: \_\_\_\_\_

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**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 PRODUCTION COMPANY OP ID: \_\_\_\_\_  
Watershed: Laurel Run Quadrangle: Burnt House 7.5'  
Elevation: 1058 ft. County: Gilmer District: Dekalb

Description of anticipated Pit Waste: Formation Fluids

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes \_\_\_ No X  
Will synthetic liner be used in the pit? Yes Is so, what ml.? 2010 ml TTW

Proposed Disposal Method for Treated Pit Wastes:

- Land Application
- Underground Injection - UIC Permit Number \_\_\_\_\_
- Reuse (at API Number) \_\_\_\_\_
- Offsite Disposal Permit #. \_\_\_\_\_
- Other: Explain \_\_\_\_\_

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. \_\_\_\_\_  
If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used? \_\_\_\_\_

Will closed loop system be used? \_\_\_\_\_

Drill Cuttings disposal method? Leave in pit, landfill, remove offsite, etc. \_\_\_\_\_  
If left in pit and plan to solidify what medium will be used? Cement, Lime, sawdust \_\_\_\_\_  
Landfill or offsite name/permit number? \_\_\_\_\_

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any terms 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 *Victoria Roark*

Company Official (Typed or Printed) Victoria Roark

Company Official Title Permitting Supervisor-WV

Subscribed and sworn before me this 12th day of November, 2015

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Notary Public NOV 16 2015

My Commission Expires 2/20/18  
OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
Misty S. Christie  
1207 Briercliff Rd  
Bridgeport, WV 26330  
My Commission Expires February 20, 2018

WV Department of Environmental Protection  
01/08/2016





2103145P

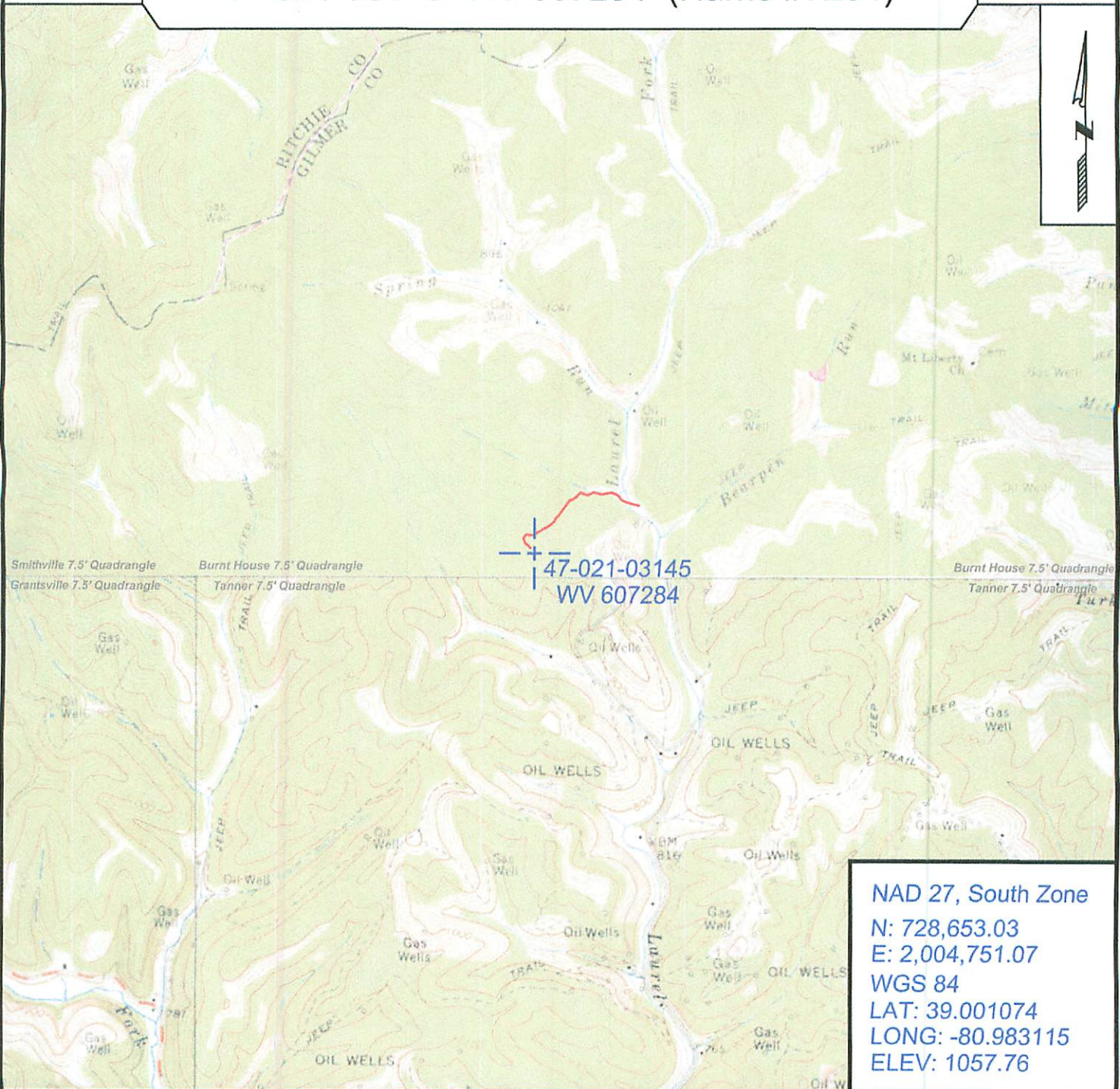
Topo Quad: Burnt House 7.5' Scale: 1" = 2000'

County: Gilmer Date: July 9, 2015

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

47-021-03145 WV 607284 (Harris #7284)

Topo



47-021-03145  
WV 607284

NAD 27, South Zone  
 N: 728,653.03  
 E: 2,004,751.07  
 WGS 84  
 LAT: 39.001074  
 LONG: -80.983115  
 ELEV: 1057.76



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**  
 1-800-482-8606  
 237 Birch River Road  
 Birch River, WV 26610  
 PH: (304) 649-8606  
 FAX: (304) 649-8608

PREPARED FOR:  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330

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 Dept. of Oil and Gas  
 WV Department of Environmental Protection  
 01/08/2016



WW-7  
8-30-06



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

API: 47-021-03145 WELL NO.: WV 607284 (Harris #7284)

FARM NAME: Harris

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Gilmer DISTRICT: Dekalb

QUADRANGLE: Burnt House 7.5'

SURFACE OWNER: Kathlyn Harris Waltermire, et al.

ROYALTY OWNER: Kathryn B. Ellyson, et al.

UTM GPS NORTHING: 4316896

UTM GPS EASTING: 501462 GPS ELEVATION: 322 m (1058 ft)

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

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

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

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

[Signature]  
Signature

PS # 2180  
Title

RECEIVED  
Office of Oil and Gas  
7/15/15  
Date

WV Department of  
Environmental Protection  
01/08/2016



Topo Quad: Burnt House 7.5' Scale: 1" = 2000'

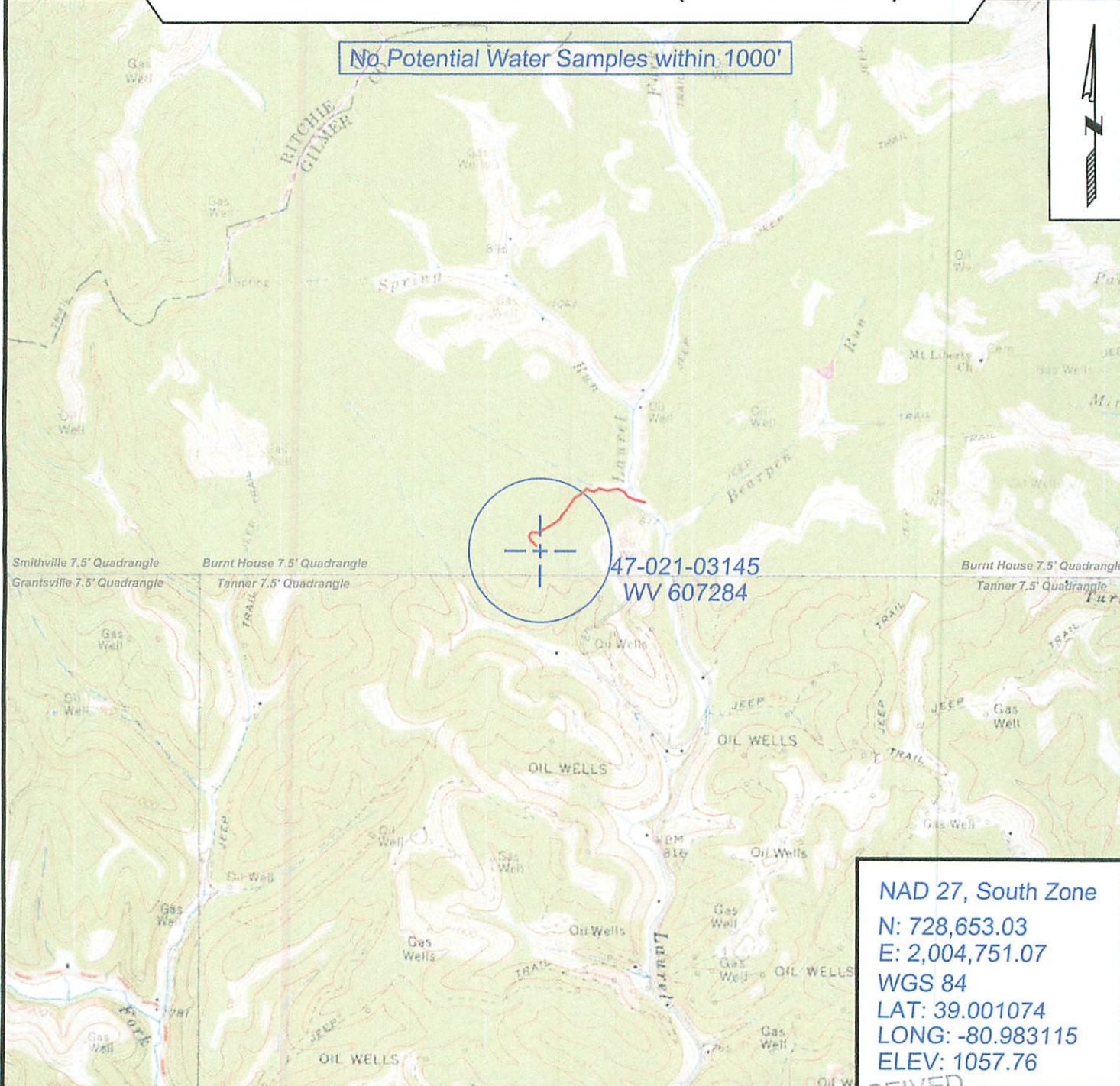
County: Gilmer Date: July 9, 2015

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

Water

47-021-03145 WV 607284 (Harris #7284)

No Potential Water Samples within 1000'



NAD 27, South Zone  
 N: 728,653.03  
 E: 2,004,751.07  
 WGS 84  
 LAT: 39.001074  
 LONG: -80.983115  
 ELEV: 1057.76



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PREPARED FOR:

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 Office of Oil and Gas  
**EQT Production Company**  
 P.O. Box 280  
 Bridgeport, WV 26330

NOV 16 2015  
 WV Department of  
 Environmental Protection  
 01/08/2016



### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. Harris #7284 - WV 607284 - API No. 47-021-03145

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 607284.

**BIRCH RIVER OFFICE**  
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fax: 304-649-8608

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**ALUM CREEK OFFICE**  
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