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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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, June 10, 2019

WELL WORK PLUGGING PERMIT  
 Vertical Plugging

EQT PRODUCTION COMPANY  
 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for WV 601824  
 47-033-01651-00-00

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: WV 601824  
 Farm Name: JAMIE T. & KENNETH F. SMITH  
 U.S. WELL NUMBER: 47-033-01651-00-00  
 Vertical Plugging  
 Date Issued: 6/10/2019

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## 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.

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### 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.

WW-4B  
Rev. 2/01

- 1) Date October 8, 2018
- 2) Operator's  
Well No. 601824 Boggess and Lucas P-1824
- 3) API Well No. 47-033 - 01651

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 1029 Watershed Jones Run  
District Eagle-Outside County Harrison Quadrangle Wallace
- 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 9) Plugging Contractor  
Name Sam Ward Name HydroCarbon Well Service  
Address PO Box 2327 Address PO Box 995  
Buckhannon WV 26201 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.**

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

Work order approved by inspector S. D. Ward Date 4/19/19

PLUGGING PROGNOSIS  
NO WELL RECORDS AVAILABLE

RECORDS ON O&G WEBSITE JWM

Casing depths taken from offset well  
033-01117

601824  
Bogges & Lucas  
API# 47-033-01651  
District, Eagle  
Harrison County, WV

BY: R Green  
DATE: 10/30/18

CCURRENT STATUS:  
TD @ 3325' OR TD WAS 2502', IF WELL WAS NEVER DRILLED DEEPER  
Elevation @ 1029' JWM

10" casing @ 390'  
6 5/8" casing @ 1890'  
2 3/8" tubing @ ???

Fresh Water @ ???  
Saltwater @ ???  
Gas Show @ 3300'  
Oil shows @ ???  
Coal @ 352'

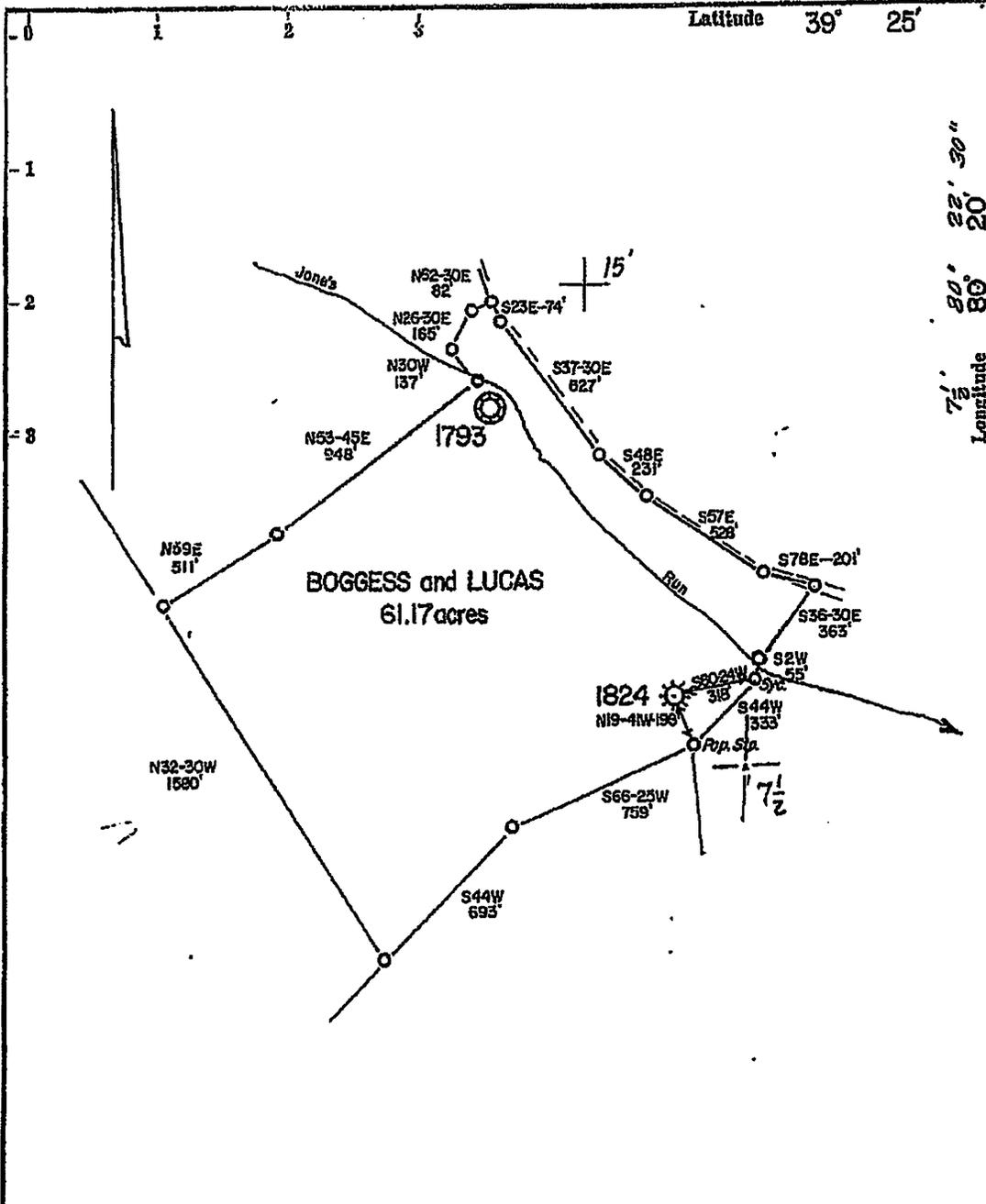
1. Notify inspector, Sam Ward @ 304-389-7583, 24 hours prior to commencing operations.
2. TIH wireline with collar locator check TD and locate packer on 2 3/8" tubing, if no packer is found, TOOH 2 3/8" tubing and continue to step #3. If packer is found contact EQT supervisor before proceeding to next step.
3. TIH to TD, spot 60 bbl., of 6% gelled water followed by a 325' C1A cement plug, 3325' to 3000', WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
4. TOOH to 2600', set a 200' C1A cement plug 2600' to 2400'. (Safety plug)
5. TOOH to 1950', set a 200' C1A cement plug, 1950' to 1750'. (6 5/8" casing seat).
6. Free point 6 5/8" casing, cut casing @ free point. TOOH 6 5/8" casing.
7. Set a 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
8. TOOH to 1100', set a 200' C1A cement plug, 1100' to 900'. (Elevation)
9. TOOH to 500', set a 200' C1A cement plug, 500' to 300' (10" casing seat).
10. Free point 10" casing, cut casing @ free point. TOOH 10" casing.
11. Set a 100' C1A cement plug 50' in casing cut to surface. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
12. Note, if unable to cut and pull 10" casing. TIH wireline and perforate 10" casing with 4 holes each @ 250', 200', 150', 100'. TIH and set a 300' C1A cement plug, 300' to surface.
13. Erect monument with API#, date plugged, company name.
14. Reclaim location and road to WV-DEP specifications.

SDW  
4/19/19

PROVISION BY  
EQT

47-033-01651 P

06/14/2019



- Fracture.....
- Redrill.....
- New Location.....
- Drill Deeper..... 10/26/78
- Abandonment.....

Source of Elevation RD. FORKS ELEV. 982'  
 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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
 Minimum accuracy, one part in 200'

Company EQUITABLE GAS COMPANY  
 Address 420 BLVD. OF THE ALLIES, PITT. Pa.  
 Farm BOGGESS and LUCAS  
 Tract \_\_\_\_\_ Acres 61.17 Lease No. 6806  
 Well (Farm) No. \_\_\_\_\_ Serial No. 1824  
 Elevation (Spirit Level) 1032'  
 Quadrangle CLKS NW 4<sup>2</sup>, WALLACE 7<sup>1</sup>/<sub>2</sub>  
 County HARRISON District EAGLE  
 Engineer R. J. [Signature]  
 Engineer's Registration No. L. S. 105  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 9-28-78 Scale 1"=500'

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

**WELL LOCATION MAP**  
 FILE NO. HAR-1651-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 --- Denotes one inch spaces on border line of original tracing.

**47-033**

The Philadelphia Company of West Virginia

Record of Well No. 1824 Located on Rogers Lucas Farm Dist 1904  
Eagle District Harrison County W. Va. State  
 Division 10 District No. 11 Drilled under Well Order  
 Rig built by J. M. Craig Began April 10 1904 Completed 19  
 Well drilled by J. P. Fisher Began April 15 1904 Completed May 1 1904  
 Depth of Well 2502 feet. Size of Hole 6 3/4 Producing Gas

Cased With			REMARKS
AMOUNT	SIZE	KIND	
16	1 3/4	wood	
26.8	10	oil	
1010	8 1/2	"	
114.80	6 3/4	"	
1878	5	"	

RECEIVED  
 APR 12 1906  
 Permitting  
 Office of Oil & Gas

COAL VEINS Coal 278-1884

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Dunkard	290	410				
Low Sand	450	665				
Belt	665	1000				
3rd firm	1010	1312				
4th firm	1312	1385		182.5	Little	
5th firm	1385	1925		191.8		
6th firm	1925	2260		212.5	Little	
7th Sand	2260	2265				

RECEIVED  
 APR 12 1906  
 Permitting  
 Office of Oil & Gas

FIRST PRESSURE TEST IN _____ TUBING	REMARKS
30 Sec. _____	
1 Min. _____	
2 Min. _____	
3 Min. _____	
4 Min. _____	
5 Min. _____	
6 Min. _____	
7 Min. _____	
8 Min. _____	
9 Min. _____	
10 Min. _____	
Rock Pressure _____	
Taken _____	
By _____	

WELL TUBED AND PACKED \_\_\_\_\_

FIRST PRESSURE TEST IN _____ TUBING	REMARKS
30 Sec. _____	
1 Min. _____	
2 Min. _____	
3 Min. _____	
4 Min. _____	
5 Min. _____	
6 Min. _____	
7 Min. _____	
8 Min. _____	
9 Min. _____	
10 Min. _____	
Rock Pressure _____	
Taken _____	
By _____	

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

*From E. M. Rodgers*  
*From J. P. Prichard*  
*From P. H. & R. L. Co.*  
*From South & North Dist. Co.*

**RECEIVED**

TO THE

APR 11 1896

CHICAGO

ILLINOIS

0086

47-033-01651P  
06/14/2019

033-1651-DD

0086

47-033-01651P

06/14/2019

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO \_\_\_\_\_ DRILL XX DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME H. E. Gardner  
 ADDRESS \_\_\_\_\_ ADDRESS Box 1550, Clarksburg, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE 624-6576  
 ESTIMATED DEPTH OF COMPLETED WELL. 3325 ROTARY \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Balltown  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX COAL \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
- 10	268	268	
9 - 5/8			
8 - 1/4	1010	1010	
6 5/8	1480	1480	
5 1/2			
4 1/2	1898	Run 3325 Pull 1898	
3			Perf. Top
2			Perf. Bottom
1 1/2			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTH \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 278 - 284  
 IS COAL BEING MINED IN THE AREA? \_\_\_\_\_ BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 21 of the West Virginia Code.

For Coal Company

Official Title

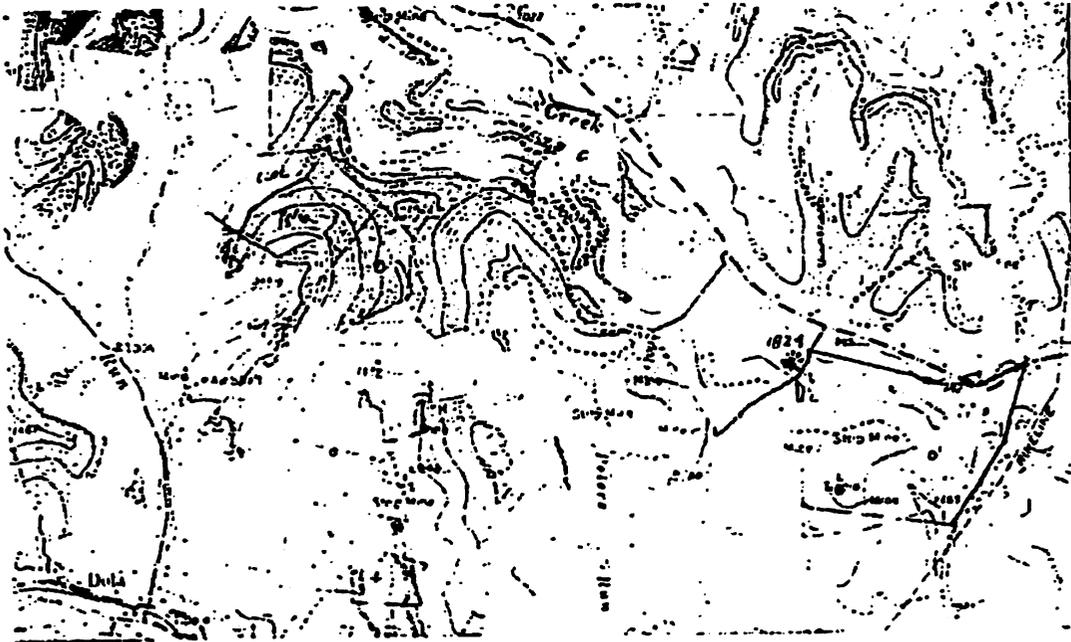
RECLAMATION PLAN

WELL NO. 1824

QUADRANGLE Clarksburg, NW 4<sup>6</sup>

SCALE \_\_\_\_\_

Locate and show (1) Well Location (2) Access Road (3) Well Site (4) Drilling Pit and (5) Necessary Drainage Features.



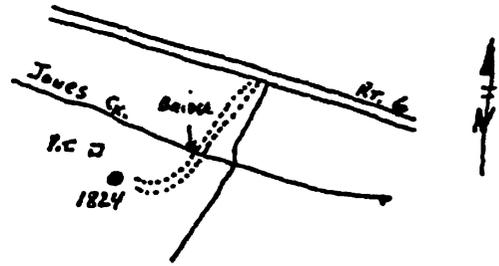
COMPANY NAME Equisano Gas Co PERMIT NO. Per-1651-00

FARM A. H. Boggess DISTRICT Eagle COUNTY Harrison

STATEMENT OF RECLAMATION PLAN:

Not to scale; drawing of all roads, locations, ditches, drains, pits, silt traps, etc.

This is a pre-existing well and access road. Sump pit will be 30' due North of well. Not timber will be cut. Location will be graded only to the extent to operate efficiently. No water wells or dwellings within 1000' of well. Upon completion, the location will be reclaimed by seeding, fertilizing and mulching, as needed.



RECEIVED

OCT 25 1978

OIL & GAS DIVISION DEPT. OF MINES

This plan was observed and agreed upon between the well operator, contractor, and the district oil and gas inspector.

Please indicate ( ) "YES" if the district inspector was present.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

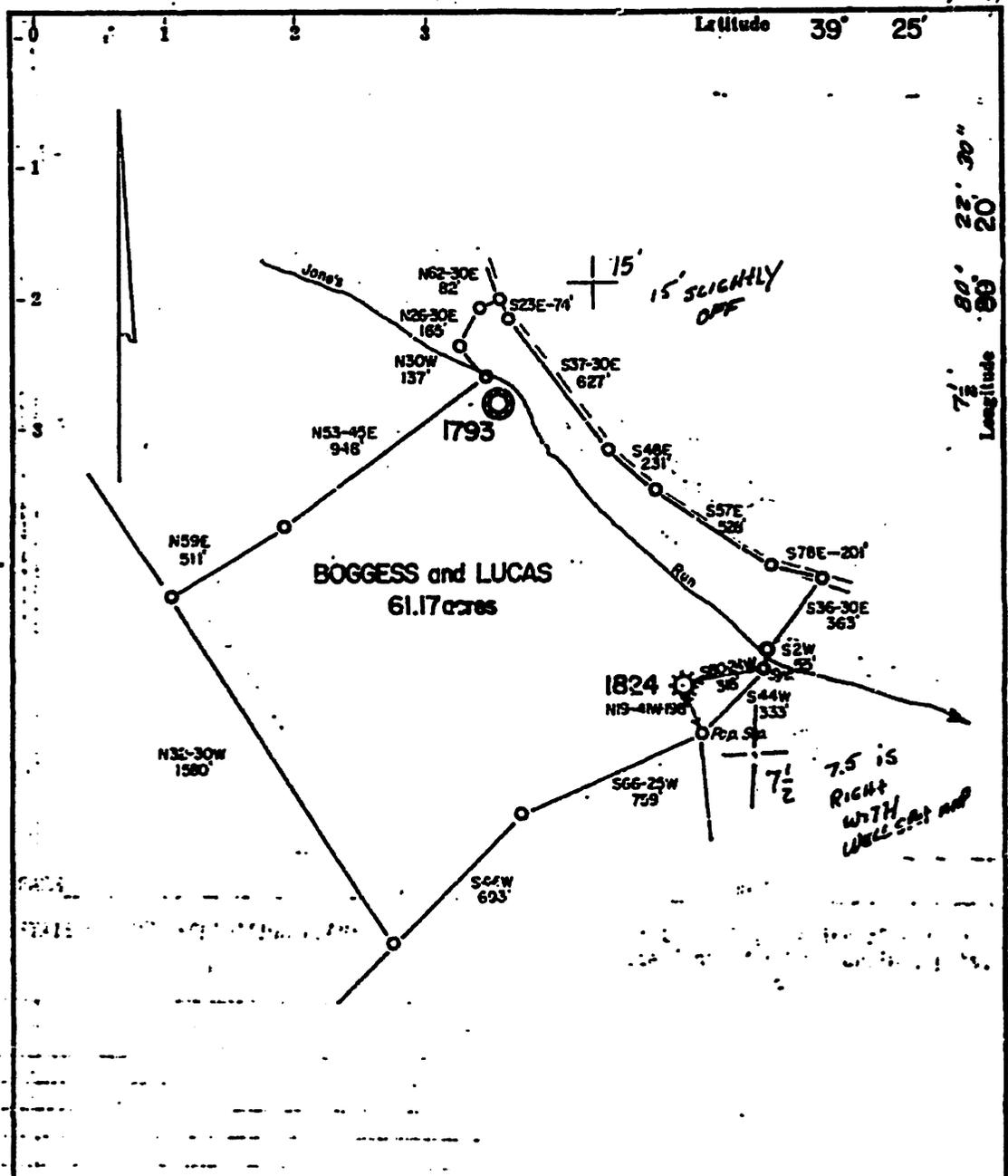
Submitted By: Michael H. Arch Title Geologist Date 10/19/78

002G

47-033-01651P

11250

10/25/78 06/14/2019



- Fracture.....
- Redrill.....
- New Location...
- Drill Deeper..... R 10/26/78
- Abandonment.....

Source of Elevation RD FORKS ELEV 982'  
 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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
 Minimum accuracy, one part in 200'

Company EQUITABLE GAS COMPANY  
 Address 420 BLVD. OF THE ALLIES, PITTSBURGH  
 Farm BOGCESS and LUCAS  
 Tract \_\_\_\_\_ Acres 61.17 Lease No. 6806  
 Well (Farm) No. \_\_\_\_\_ Serial No. 1824  
 Elevation (Spirit Level) 1032'  
 Quadrangle CLKS NW 4<sup>4</sup> WALLACE 7<sup>2</sup>  
 County HARRISON District EAGLE  
 Engineer's Registration No. L.L.S. 105  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 9-28-78 Scale 1"=500'

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

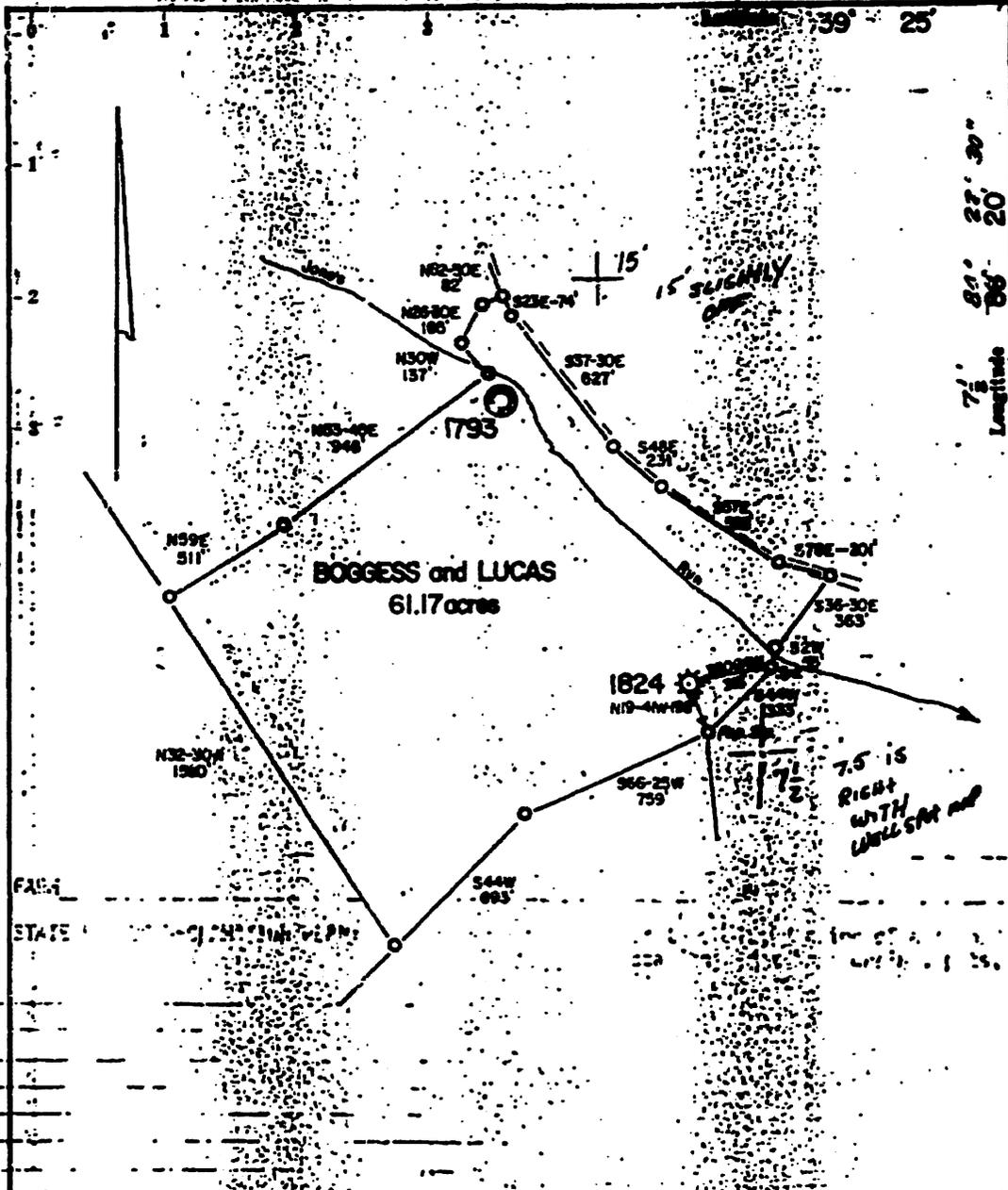
**WELL LOCATION MAP**  
 FILE NO. HAR-1651-DD

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500. Latitude and longitude lines being represented by border lines as shown.

— 1/2 inch spaces on border line of original map.

**47-033**

10/25/78



Fracture  Section of Elevation RD FORCS ELEV 902  
 Re-drill   
 New Location   
 Drill Deeper  10/25/78  
 Abandonment  Minimum accuracy, one part in 200

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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Company EQUITABLE GAS COMPANY  
 Address 420 BLVD. OF THE ALLIES, PITT. PA.  
 Farm BOGCESS and LUCAS  
 Tract Acres 61.17 Lease No. 6806  
 Well (Farm) No. 1824 Serial No. 1824  
 Elevation (Spirit Level) 1032'  
 Quadrangle CLKS NW 4 WALLACE T-2  
 County HARRISON District EAGLE  
 Engineer [Signature]  
 Engineer's Registration No. L. S. 105  
 File No. 9-28-78 Drawing No. 47-033  
 Date 9-28-78 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. HAR-1651-DD

+ Denotes location of well on United States Topographic Map, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

**47-033**

0026

CONSTRUCTION ORDER  
FORM C 23-821 REV. 11-80

06/14/2019

CANCELLATION

7-033-1651-DD P

NAME OF COMPANY Equitable Gas Company - West Virginia Div. CONSTRUCTION ORDER NO. 6069  
 DIVISION 1111 LOCATION Harrison County, W. Va. REFERENCE 0102  
 DATE ISSUED \_\_\_\_\_ WORK TO BE STARTED \_\_\_\_\_ WORK TO BE COMPLETED \_\_\_\_\_  
 JOB TITLE Drill Deeper and Hydrofrac Well No. 1824 (1978) (\$80,000.00)

SCOPE OF WORK

Drill deeper through the Balltown formation and hydrofrac Well No. 1824, located on the Bogges & Lucas farm, Eagle District, Harrison County, West Virginia.

Install 3,325' of 4 1/2" tubing

Retire 1,898' of 3" tubing and one CL 6 5/8" x 3" packer,

Account No.	No.	Description	Estimated Cost
330	1	Well Construction	\$54,600
331	2	Well Equipment	11,000
		Engineering & Supervision	6,900
		General Charges	7,500

RECEIVED

WV Division of Environmental Protection

APR 12 1996

Permitting Office of Oil & Gas

Necessary to increase production  
Cancellation due to changes in supply situation.

RECEIVED

WV Division of Environmental Protection

APR 12 1996

Permitting Office of Oil & Gas

**SUMMARY**

CONSTRUCTION—

DIRECT COSTS	\$ 65,600
INDIRECT COSTS	6,900
GENERAL CHARGES	7,500
GROSS CONSTRUCTION COST	80,000
REMOVAL COSTS	500
SALVAGE	500
TOTAL NET EXPENDITURE	80,000

**BUDGET CONTROL**

NO. 81	BUDGET \$ _____
ISSUED	\$ _____
AVAILABLE	\$ _____
THIS C. O.	\$ (80,000)
BALANCE	\$ _____

APPROVED-BUDGET CONTROL COMMITTEE

COMMITTEE NUMBER 56286 DATE 6/1/81

*Richard P. Yune*  
CHAIRMAN

PROPERTY RETIRED—  
COST OF OLD CONSTRUCTION \$ \_\_\_\_\_

SIGNED *[Signature]* 5/14/81  
DATE

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED *[Signature]* 5/28/81  
AUDITING DEPT. DATE

RECOMMENDED FOR APPROVAL *[Signature]* 6/1/81  
DATE

APPROVED *[Signature]* JUN 5 1981  
EXECUTIVE VICE PRESIDENT DATE

APPROVED *[Signature]* JUN 9 1981  
PRESIDENT DATE

002G

47-033-01651P  
06/14/2019

SHUTTLE GAS COMPANY  
BOGESS AND LUCAS FARM (A. M. Bogess)

HAR-1651-00  
WELL NO. 1824

Well No.	
Port	
Flow	10/1/19
Rate	
Pressure	
Temperature	
Operator	
Inspector	

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

**RECEIVED**  
OCT 06 1987

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Permit No. 33-1651D  
Company Equitable Gas  
Inspector \_\_\_\_\_  
Date \_\_\_\_\_

County Harrison  
Twp. El Brogue  
Well No. 1524

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	___	___
25.04	Prepared before Drilling to prevent waste	___	___
25.03	High-Pressure Drilling	___	___
16.01	Required Permits at wellsite	___	___
15.03	Adequate Fresh Water Casing	___	___
15.02	Adequate Coal Casing	___	___
15.01	Adequate Production Casing	___	___
15.04	Adequate Cement Strength	___	___
23.02	Maintained Access Roads	___	___
25.01	Necessary Equipment to prevent Waste	___	___
23.03	Reclaimed Drilling Site	___	___
23.04	Reclaimed Drilling Pits	___	___
23.05	No surface or underground Pollution	___	___
7.03	Identification Markings	___	___

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Steve Casper  
DATE: 10-2-87



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
OCT 25 1978

20285

Oil and Gas Division

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

R

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE October 20, 1978

Surface Owner Edward Boggess  
Address 1580 Brighton, N. E., Warren, OH 44483

Company Equitable Gas Company  
Address Pittsburgh, PA 15219

Mineral Owner Same as above  
Address \_\_\_\_\_

Farm A. M. Boggess Acres 1.17  
Location (waters) Jones Run

Coal Owner Stripped below Coal  
Address \_\_\_\_\_

Well No. 1824 Elevation 1032'  
District Eagle County Harrison

Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Quadrangle Clarksburg, NW 46

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved  
for deepening. This permit shall expire if  
operations have not commenced by 2-26-79

INSPECTOR  
TO BE NOTIFIED Paul Garrett

ADDRESS 321 Beech St., Clarksburg, WV 26301

PHONE 622-3871

[Signature]  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated April 1 19 04 by A. M. Boggess, et al made to Philadelphia Co. of W. Va. and recorded on the 20th day of May 19 10 in Harrison County, Book 185 Page 334

NEW WELL Y X DRILL DEEPER REDRILL FRACTURE OR STIMULATE  
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 3, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND  
ECONOMIC SURVEY  
P. O. BOX 879  
MORGANTOWN, WEST VIRGINIA 26505  
AC-304 - 292-6331

Very truly yours,  
(Sign Name) Equitable Gas Company  
Well Operator  
420 Blvd. of the Allies  
Street  
Pittsburgh  
City or Town  
Pennsylvania 15219  
State

\*SECTION 3 . . . If no objections are filed or found by the Department of Mines, within said period of ten days from the receipt of notice and plat by the department of mines, in said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

HAR-1651-DD PERMIT NUMBER

WW-4A  
Revised 6-07

1) Date: October 8, 2018  
2) Operator's Well Number  
601824 Boggess and Lucas P-1824

3) API Well No.: 47 - 033 - 01651

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

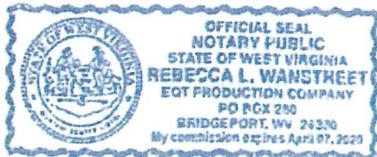
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>See Attached</u>	Name _____
Address _____	Address _____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See Attached</u>
(c) Name _____	Address _____
Address _____	Name _____
6) Inspector <u>Sam Ward</u>	(c) Coal 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-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 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



Well Operator EQT Production Company  
 By: Erin Spine *[Signature]*  
 Its: Regional Land Supervisor  
 Address 2400 Ansys Drive, Suite 200  
Canonsburg PA 15317  
 Telephone (304) 848-0035

Subscribed and sworn before me this 11 day of October 2018  
*[Signature]* Notary Public  
 My Commission Expires 4-7-2020

**Oil and Gas Privacy Notice**

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

47-033-01651

601824 Boggess and Lucas 1824

Owner(s) (Surface and Access)

Potential Water Owner(s):

✓ Jamie T and Kenneth F Smith  
2627 Jones Run Road  
Lumberport WV 26386

✓ Margaret Harbert  
PO Box 297  
Lumberport WV 26386

✓ Dennis Ray and Rose Mary Napier  
143 Nolans Run Road  
Lumberport WV 26386

✓ Kenneth Smith  
2627 Jones Run Road  
Lumberport WV 26386

Coal Owner(s)

✓ Dennis Ray and Rose Mary Napier  
143 Nolans Run Road  
Lumberport WV 26386

✓ Howard Boggess  
1808 Dennison Drive, NW  
Warren OH 44485

✓ Lucille Boggess  
1718 Patterson Mill Road  
Bedford VA 24523

✓ Norma T Boggess  
3977 Herr-Fieldhouse Road NW  
Southington OH 44470

✓ Charles B Johnson  
Route 1 Box 519  
Lumberport WV 26386

✓ Clara F Lucas  
c/o Cynthia Lucas  
RR 1 BOX 388  
CLARKSBURG WV 26301

✓ William E Lucas Trust  
515 King Street  
Alexandria VA 22314

✓ William J Powelson Jr.  
790 W Shannon Road  
Bridgeport WV 26330

✓ Patty Turpin  
1737 Patterson Mill Road  
Bedford VA 24523

47-033-01651P  
06/14/2019

WW-9  
(5/16)

API Number 47 - 033 - 01651  
Operator's Well No. 601824 Boggess and Lucas P-1824

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 306686

Watershed (HUC 10) Jones Run Quadrangle Wallace

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? 20 ml

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_ )

SDW  
4/19/19

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

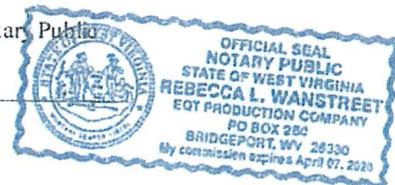
Company Official Title Regional Land Supervisor

Subscribed and sworn before me this 11 day of October, 2018

Rebecca L Wanstreet

Notary Public

My commission expires 4-7-2020



Form WW-9

Operator's Well No. 601824 Boggess and Lucas P-1824

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

Seed Mixtures

Temporary		Permanent	
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, 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: [Signature]

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Title: COG Inspector Date: 4/19/19

Field Reviewed? ( ) Yes ( X ) No

**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

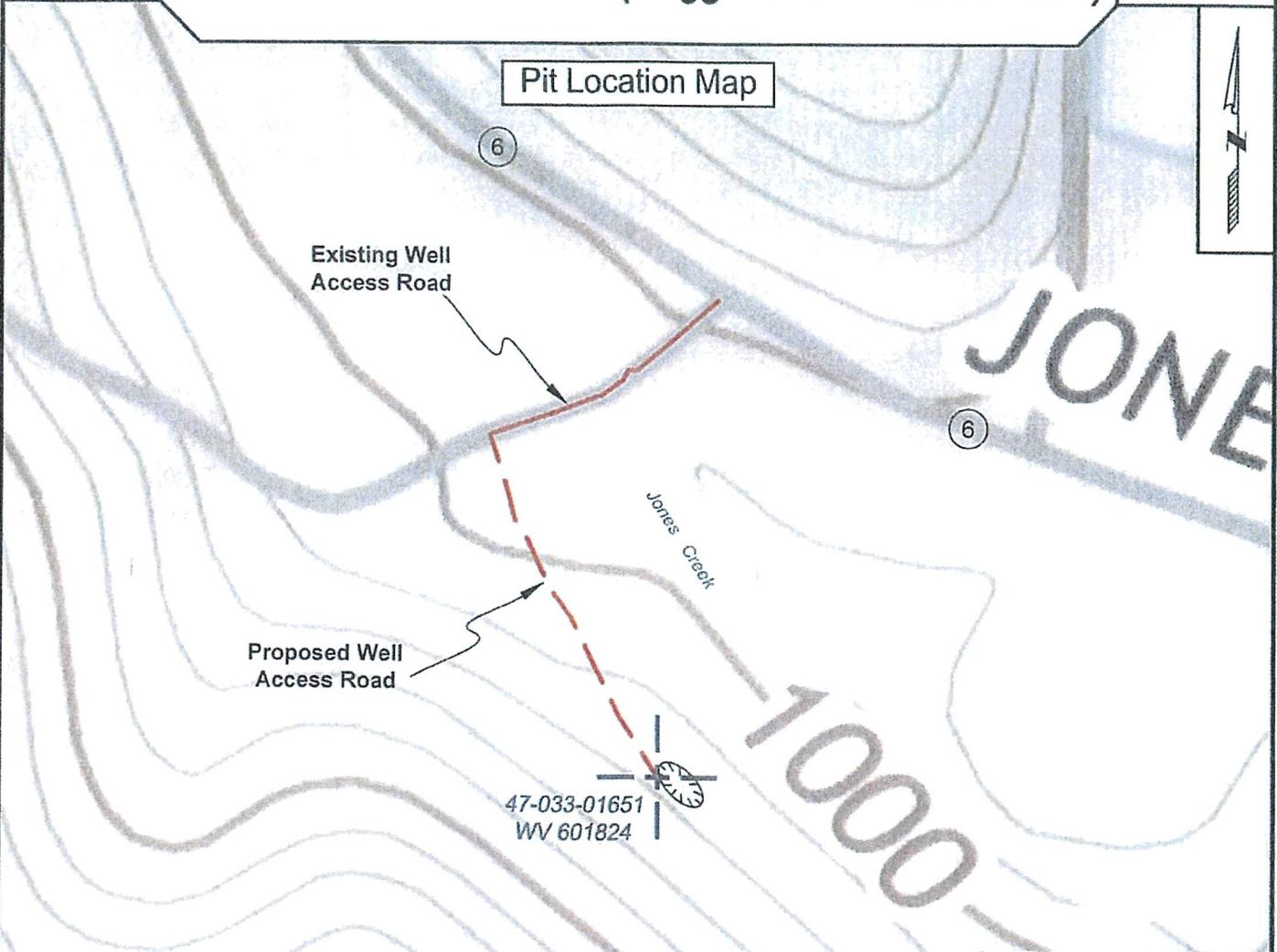
**Waste Management - Northwestern Landfill**

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

Topo Quad: Wallace 7.5'	Scale: 1" = 200'
County: Harrison	Date: September 25, 2018
District: Eagle-Outside	Project No: 70-36-00-08

**47-033-01651 WV 601824 (Bogges and Lucas P-1824)**

Topo



NAD 27, North Zone  
N:323,868.24  
E:1,748,553.78

WGS 84  
LAT:39.385879  
LONG:-80.389429  
ELEV:1029.07

**LEGEND**

 Proposed Pit Location



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

Topo Quad: Wallace 7.5'

Scale: 1" = 500'

County: Harrison

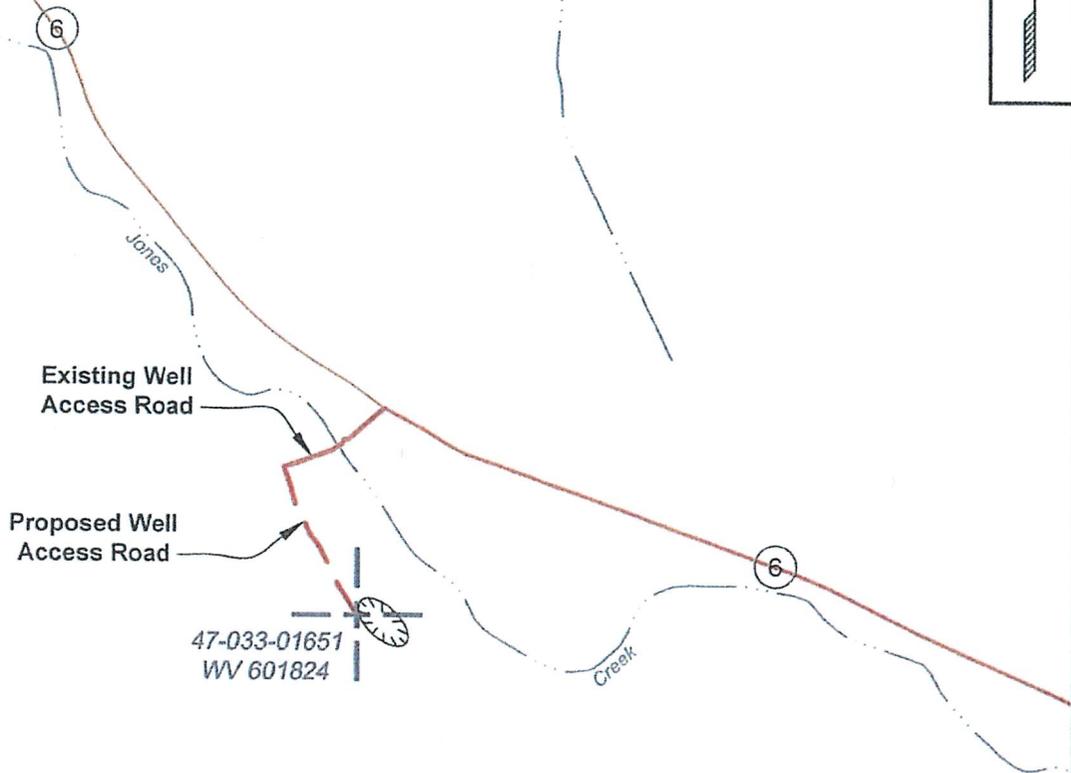
Date: September 25, 2018

District: Eagle-Outside

Project No: 70-36-00-08

Highway **47-033-01651 WV 601824 (Bogges and Lucas P-1824)**

Pit Location Map



NAD 27, North Zone  
N:323,868.24  
E:1,748,553.78

WGS 84  
LAT:39.385879  
LONG:-80.389429  
ELEV:1029.07

LEGEND

 Proposed Pit Location



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FAX: (304) 649-8608

PREPARED FOR:

**EQT Production Company**

2400 Ansys Drive  
Canonsburg, PA 15317

Topo Quad: Wallace 7.5'

Scale: 1" = 2000'

County: Harrison

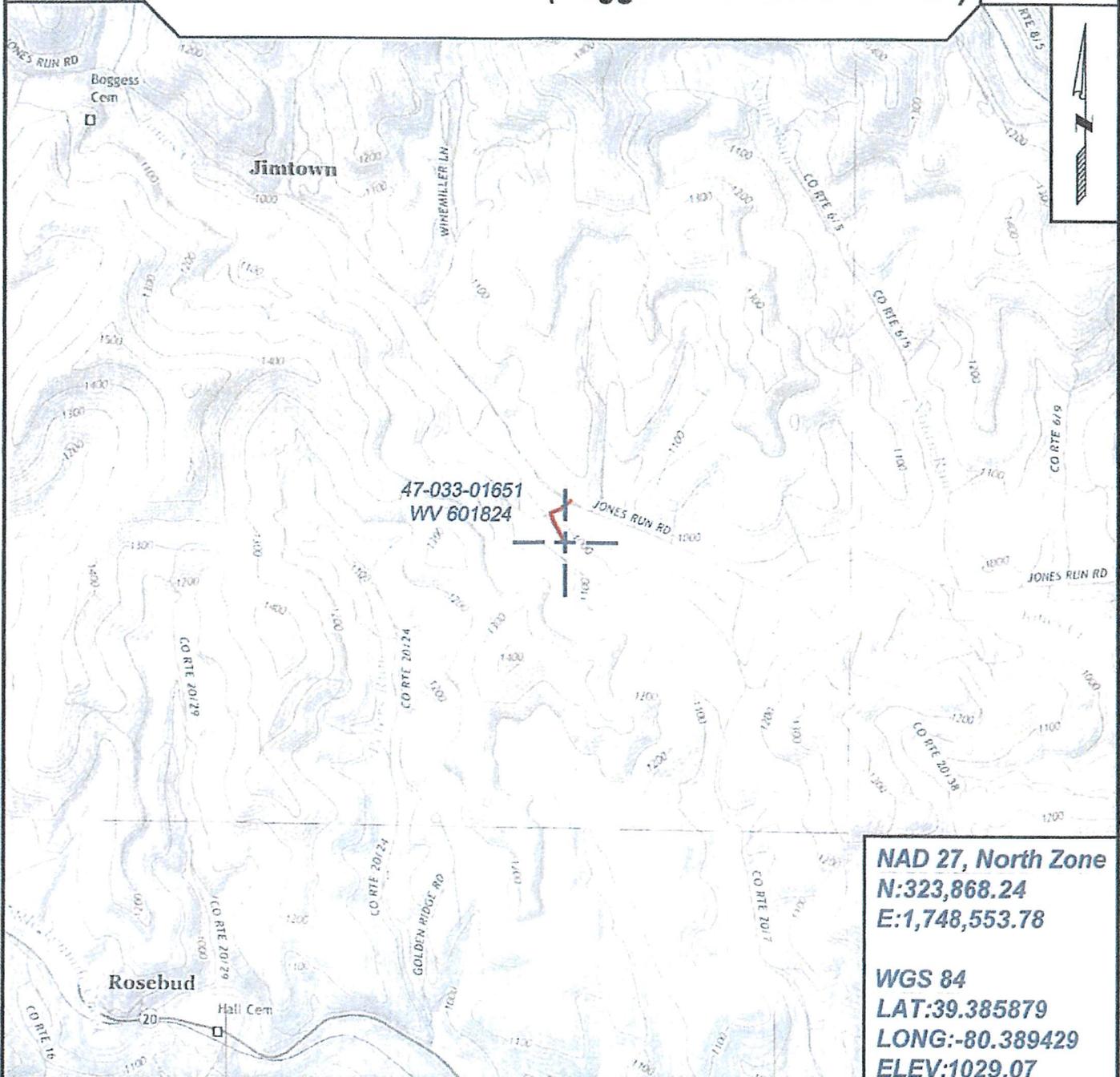
Date: September 25, 2018

District: Eagle-Outside

Project No: 70-36-00-08

**47-033-01651 WV 601824 (Boggess and Lucas P-1824)**

Topo



**NAD 27, North Zone**  
**N:323,868.24**  
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**WGS 84**  
**LAT:39.385879**  
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**ELEV:1029.07**



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Canonsburg, PA 15317

