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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

Earl Ray Tomblin , Governor  
Randy C. Huffman , Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Friday, September 23, 2016  
WELL WORK PERMIT  
Vertical / Plugging

EQT PRODUCTION COMPANY  
120 PROFESSIONAL PLACE  
BUILDING II  
BRIDGEPORT, WV 26330

Re: Permit approval for 1-B-26  
47-001-00770-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: 1-B-26  
Farm Name: CHESSER, LUCILLE  
U.S. WELL NUMBER: 47-001-00770-00-00  
Vertical / Plugging  
Date Issued: 9/23/2016

Promoting a healthy environment.

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

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EX 20622  
400.00

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

Date: August 4, 2016  
Operator's Well \_\_\_\_\_  
Well No. 149711 (Lucille Chesser #1 B-26)  
API Well No.: 47 001 - 00770

**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: 1598 ft. Watershed: Indian Fork  
Location: Union County: Barbour Quadrangle: Century  
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 Kenneth Greynolds  
Name: 613 Broad Run Road  
Address: Jane Lew, WV 26378

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.**

**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

*Kenneth Greynolds*

Date 8-31-16

**PLUGGING PROGNOSIS**

Chesser, L. B-26 (149711)  
 Barbour Co. WV  
 District, Union  
 API # 47- 001- 00770

BY: Craig Duckworth  
 DATE: 7/11/16

**CURRENT STATUS:**

11 3/4" csg @ 21' (cts)  
 8 5/8" csg @ 2001' (190 sks)  
 4 1/2" csg @ 4466' (175 sks)

Elevation @ 1612' 1598'

**TD: 4482'**

Fresh Water @ 18', 90' Coal @ none reported

Saltwater @ 1885'

Gas shows @ Big Lime 1586'-1676', Big Injun 1676'-1792', Gantz 1866'-1908',  
 Gordon 2290'-2331', Fifth Sand 2463'-2512', Riley 4015'- 4197',  
 Benson 4365'-4383', Gas 4367'-4373'

1. Notify State Inspector, **Kenneth Greynolds @ (304) 206-6613**, 48 hrs. Prior to commencing operations.
2. Check TD w/wireline
3. TIH w/tbg to 4482' or actable TD', set 500' C1A cement plug from 4482' to 3982'. (Gas shows @ 4367'- 4373', 4365'- 4383', 4015' - 4197')
4. TOC OF 4 1/2 WILL BE ABOVE 3982'  
cs 35
5. TOOH w/tbg to 3982', gel hole 3982' to 3000'
6. TOOH w/tbg, Free point 4 1/2" csg, cut csg @ free point, TOOH w/csg.
7. 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
8. TIH w/tbg to 3000', set 200' C1A cement plug 3000' to 2800'. (4 1/2" csg cut).
9. TOOH w/tbg to 2800' gel hole 2800' to 2562'
10. TOOH w/tbg to 2562' set 362' C1A cement plug from 2562' to 2200', (Gas Shows @ 2463'-2512', 2290'-2331').
11. TOOH w/tbg to 2200' gel hole 2200' to 2051' SET 100' C1A CEMENT PLUG FROM 2051'- 1951'
12. TOOH w/tbg, Free point 8 5/8" csg, cut csg @ free point, TOOH w/csg.
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.

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14. TIH w/tbg to 2051' set 100' C1A cement plug from 2051' to 1951' ( 8 5/8" csg set 2001')
15. TOOH w/tbg to 1951' gel hole from 1951' to 1662'.
16. TOOH w/tbg to 1662', set 200' C1A cement plug 1662' to 1462'. (elev. @ 1612').
17. TOOH w/tbg to 1562', gel hole 1562' to 1100'.
18. TOOH w/tbg to 1100', set ~~270'~~<sup>830'</sup> C1A cement plug 1100' to ~~900'~~. (Safety Plug)
19. TIH w/tbg to 900' gel hole from ~~830~~ to ~~665'~~.
20. TOOH w/tbg to ~~665'~~, set 100' C1A cement plug ~~665~~ to ~~565'~~. (Safety Plug).
21. TOOH w/tbg to ~~565'~~, gel hole ~~565'~~ to 200'.
22. TOOH w/tbg to 200', set 200' C1A cement plug, 200' to 0. (11 3/4" csg @ 21')
23. Erect monument with API#
24. Reclaim location and road to WV-DEP specifications.

NO COAL REPORTED. HOWEVER, FORMATIONS LISTED WERE FROM E LOGS. MAY BE COAL SEAMS IN THE ZONE FROM 800' TO 60'.

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Philippi  
Permit No. BAR 770

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas X  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

~~J & J Enterprises~~  
Company (Barry Energy Consultants)  
Address 309 Professional Bldg., Clarksburg  
Farm Lucille Chesser Acres 67  
Location (waters) Indian Fork  
Well No. B-26 Elev. 1612'  
District Union County Barbour  
The surface of tract is owned in fee by \_\_\_\_\_  
Valentine Winslow  
Address Century, W. Va.  
Mineral rights are owned by Lucille Chesser  
Address Philippi, W. Va.  
Drilling Commenced 9/9/76  
Drilling Completed 9/15/76  
Initial open flow 34,000 cu. ft. \_\_\_\_\_ bbls.  
Final production 267,000 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 8 hrs. before test 1510 RP.  
Well treatment details: 7 days

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	21	21	to surface
9 5/8			
8 5/8	2001	2001	190 sks
7			
5 1/2			
4 1/2	4466	4466	175 sks.
3			
2			
Liners Used			

Attach copy of cementing record.  
Water Frac Benson: 50,000# 20/40 Sand  
500 Gal Acid  
819 Bbl. Total Fluid  
Dowell

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 18 ft; 90 ft. Feet \_\_\_\_\_ Salt Water 1885 Feet \_\_\_\_\_  
Producing Sand Benson Depth 4355-4370

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-Shale; Shale; R R			0	1585		* Log Tops
Sandy Lime			1585	1610		
Big Lime			1610	1720		Big Lime 1586-1676
Big Injun			1720	1810		Big Injun 1676-1792
Fifty Foot			1810	1855		
Shale- Sand			1855	1885		Gantz 1866-1908
Gantz			1885	1970		Gordon 2290-2331
Shale, Sand, Sandy Shale			1970	4355		Fifth 2463-2512
Benson			4355	4370		Riley 4015-4197
Shale-Sand, Silt Stone			4370	4482		Benson 4365-4383
TD				4482		Gas 4367-4373

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(over)  
\* Indicates Electric Log tops in the remarks section.

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

PROPOSED WORK ORDER TO  DRILL  DEEPEN  FRACTURE-STIMULATE

DRILLING CONTRACTOR: (If Known) S. W. Jack Drilling Company RESPONSIBLE AGENT: Jim Willett

NAME S. W. Jack Drilling Company ADDRESS Indiana, Penna. ADDRESS Buckhannon, W. Va.

TELEPHONE 412/ 463-9191 TELEPHONE 472-2161

ESTIMATED DEPTH OF COMPLETED WELL: 1480' ROTARY  CABLE TOOLS

PROPOSED GEOLOGICAL FORMATION: BENSON

TYPE OF WELL: OIL  GAS  COMB.  STORAGE  DISPOSAL

RECYCLING  WATER FLOOD  OTHER

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 76			
<del>11 3/4</del>	30	30	To surface
9 - 5/8			
8 - 5/8	2050	2050	To surface
7			
5 1/2			
4 1/2	1460	1460	To 3700'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 200 FEET SALT WATER 1950 FEET

APPROXIMATE COAL DEPTHS 15 to 17'; 610-615; 880-885;

IS COAL BEING MINED (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.

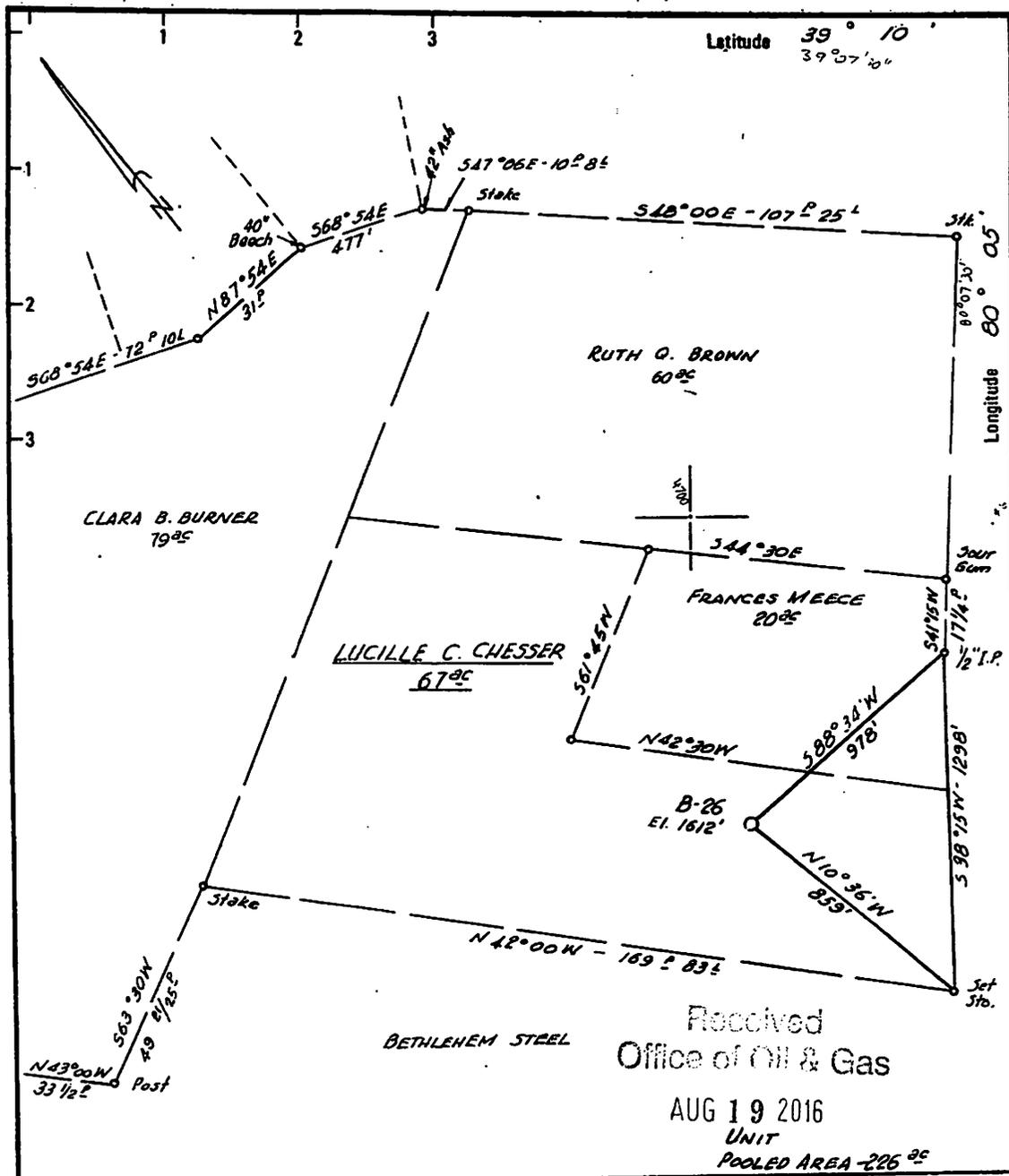
The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

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 22 of the West Virginia Code.

\_\_\_\_\_  
For Coal Company  
\_\_\_\_\_  
Official Title

077-466  
100-58



Received  
Office of Oil & Gas  
AUG 19 2016  
UNIT  
POOLED AREA 226 AC

Minimum Error of Closure ONE PART IN 200  
 Source of Elevation B.M. ROAD FORK CENTURY 7.5' T.O.P.  
ELEV. = 1487'  
 "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."

New Location  
 Drill Deeper  
 Abandonment

BERRY ENERGY CONSULTANTS MANAGERS INC.  
 Company PROFESSIONAL BLDG. SUITE 309  
 Address CLARKSBURG, W. VA. 26301  
 Farm LUCILLE C. CHESSEY V. WINSLOW  
 Tract \_\_\_\_\_ Acres 67 Lease No. 68998  
 Well (Farm) No. 1 Serial No. B-26  
 Elevation (Spirit Level) 1612'  
 Quadrangle PHILIPPI  
 County BARBOUR District UNION  
 Engineer David L. Hinkle  
 Engineer's Registration No. 530 LLS  
 File No. B581 Drawing No. \_\_\_\_\_  
 Date 5-28-76 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. BAR-770

+ 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.

**47-001**

WW-4-A  
Revised 6/07

1) Date: August 4, 2016  
2) Operator's Well Number  
149711 (Lucille Chesser #1 B-26)  
3) API Well No.: 47 001 - 00770  
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 John Stephen Winslow  
Address 755 Winslow Lane  
Volga, WV 26238  
  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
6) Inspector Kenneth Greynolds  
Address 613 Broad Run Road  
Jane Lew, WV 26378  
Telephone (304) 206-6613

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
  
(b) Coal Owner(s) with Declaration  
Name John Stephen Winslow  
755 Winslow Lane  
Address Volga, WV 26238  
  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
(c) Coal Lessee with Declaration  
Name None  
Address \_\_\_\_\_  
  
Name \_\_\_\_\_  
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.

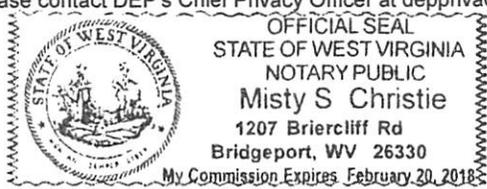
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental 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.

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

*Victoria J. Roark*  
Received  
Office of Oil & Gas  
AUG 19 2016

Subscribed and sworn before me this 8<sup>th</sup> day of August, 2016  
Misty S. Christie Notary Public  
My Commission Expires: 2/20/18

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](mailto:depprivacyofficer@wv.gov).



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

Operator Name: EQT PRODUCTION COMPANY OP CODE: \_\_\_\_\_

Watershed (HUC 10): Indian Fork Quadrangle: \_\_\_\_\_ Century \_\_\_\_\_

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

Will a pit be used? Yes X No \_\_\_

If so, please describe anticipated pit waste: \_\_\_\_\_

**Formation Fluids**

Will a synthetic liner be used in the pit? Yes X No \_\_\_ Is so, what ml.? 20 40ml

Proposed Disposal Method for Treated Pit Wastes:

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

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, 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? \_\_\_\_\_

Permittee shall provide written notice to the Office of the 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 Division 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

Company Official Signature *Vicki Roark*

Company Official (Typed Name) Vicki Roark

Company Official Title Permitting Supervisor - WV

Subscribed and sworn before me this 8th day of August, 2016

*Misty S. Christie*

Notary Public

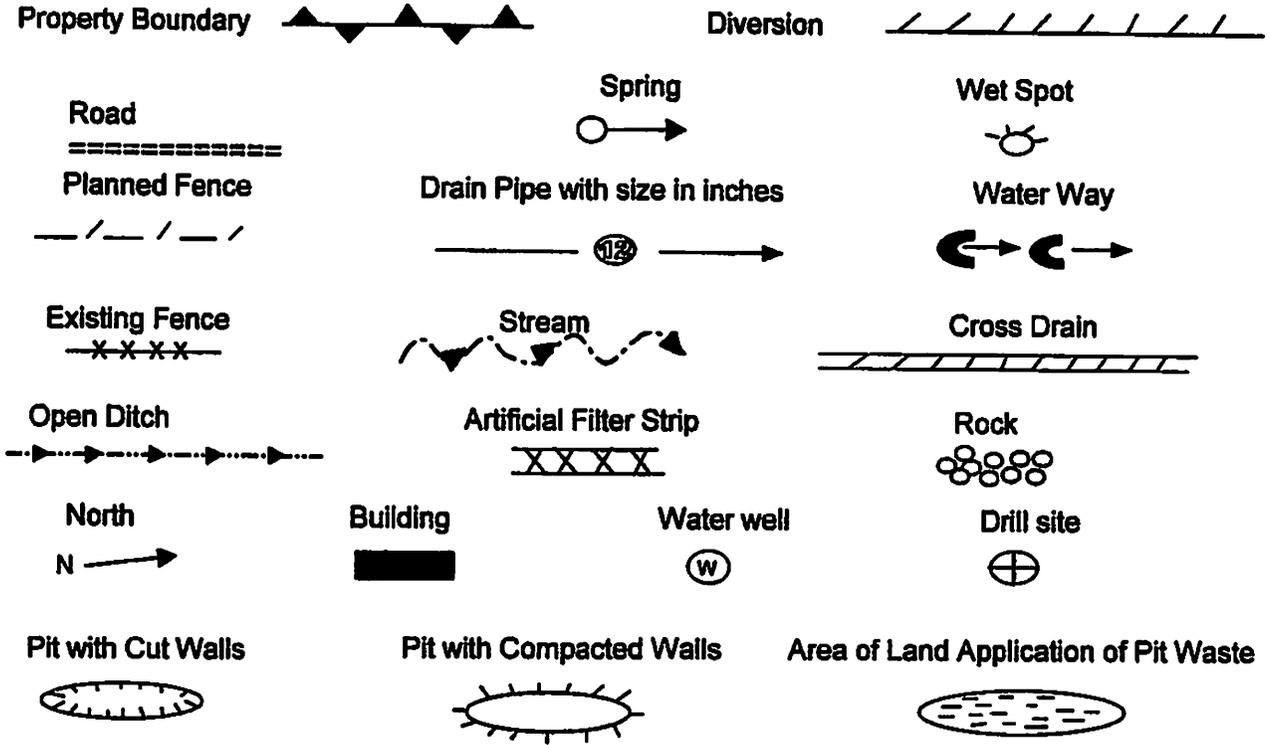
My Commission Expires 2/20/18



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AUG 19 2016

**OPERATOR'S WELL NO.:**  
149711 (Lucille Chesser #1 B-26)

**LEGEND**



Proposed 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 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

**SEED MIXTURES**

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/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: James Reynolds

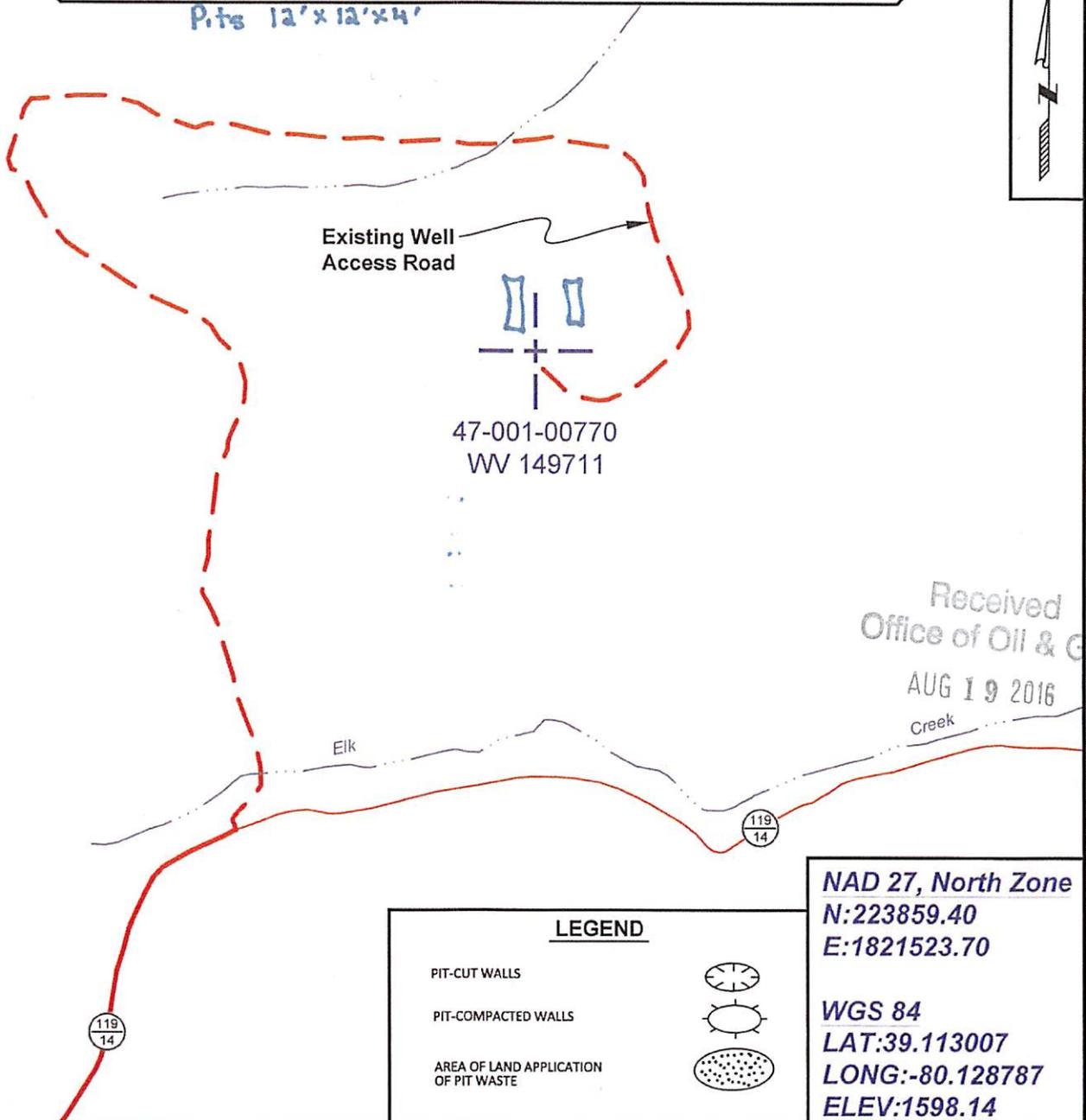
Comments: RECLAIM, RISED AND MULCH ASOP

Title: ALF 105 INSPECTION Date: 8-31-16  
 Field Reviewed? Yes  No

Topo Quad: Century 7.5' Scale: 1" = 500'  
 County: Barbour Date: August 12, 2016  
 District: Union Project No: 163-10-00-16

### 47-001-00770 WV 149711 (Lucille Chesser #1 B-26)

Pits 12'x12'x4'



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**NAD 27, North Zone**  
**N:223859.40**  
**E:1821523.70**  
**WGS 84**  
**LAT:39.113007**  
**LONG:-80.128787**  
**ELEV:1598.14**

**LEGEND**

PIT-CUT WALLS	
PIT-COMPACTED WALLS	
AREA OF LAND APPLICATION OF PIT WASTE	



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

100770A

**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

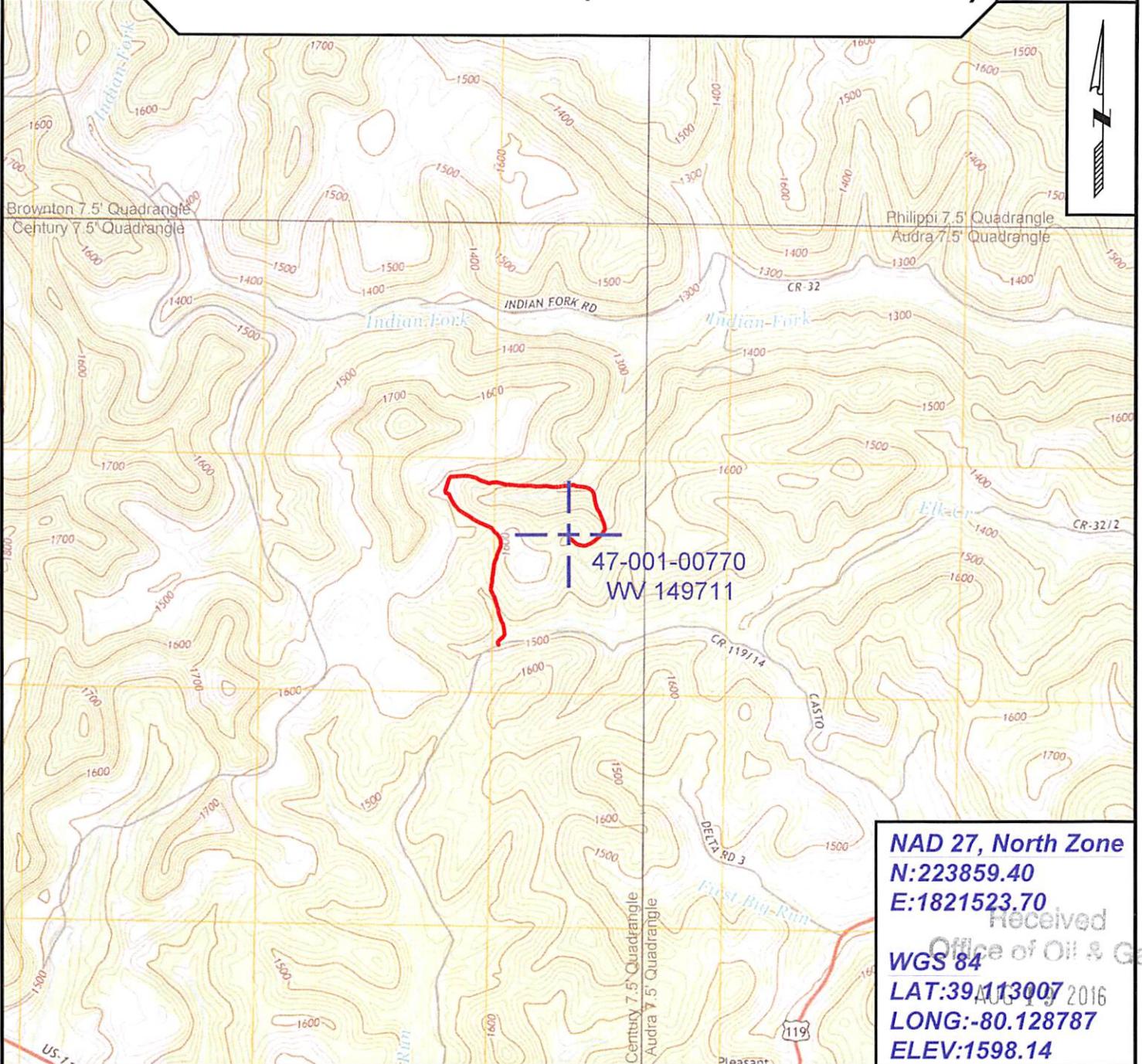
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AUG 19 2016

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Topo Quad: Century 7.5' Scale: 1" = 2000'  
 County: Barbour Date: July 22, 2016  
 District: Union Project No: 163-10-00-16

# 47-001-00770 WV 149711 (Lucille Chesser #1 B-26)

Topo



**NAD 27, North Zone**  
**N:223859.40**  
**E:1821523.70**  
**WGS 84**  
**LAT:39.113007**  
**LONG:-80.128787**  
**ELEV:1598.14**

received  
 Office of Oil & Gas  
 AUG 9 2016



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

WW-7  
8-30-06



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

API: 47-001-00770 WELL NO.: WV 149711 (Lucille Chesser #1 B-26)

FARM NAME: Lucille Chesser

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Barbour DISTRICT: Union

QUADRANGLE: Century 7.5'

SURFACE OWNER: John Stephen Winslow & Charles D. Winslow

ROYALTY OWNER: John Stephen Winslow, et al.

UTM GPS NORTHING: 4329678

UTM GPS EASTING: 575320 GPS ELEVATION: 487 m (1598 ft)

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

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_\_ : Post Processed Differential \_\_\_\_\_  
 Real-Time Differential \_\_\_\_\_  
 Mapping Grade GPS  X  : Post Processed Differential  X   
 Real-Time Differential \_\_\_\_\_

4. **Letter size copy of the topography map showing the well location.**  
 I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

*Steph O Brown*  
 Signature

PS# 2180  
 Title

7/28/16  
 Date

Received  
 Office of Oil & Gas  
 AUG 19 2016



### POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY  
LEASE NAME AND WELL No. Lucille Chesser #1 B-26 - WV 149711 - API No. 47-001-00770.

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water sources within the required 1000' of the existing well WV 149711.

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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

**ALUM CREEK OFFICE**  
P.O. Box 108 • 1413 Childress Rd  
Alum Creek, WV 25003  
*phone:* 304-756-2949  
*fax:* 304-756-2948

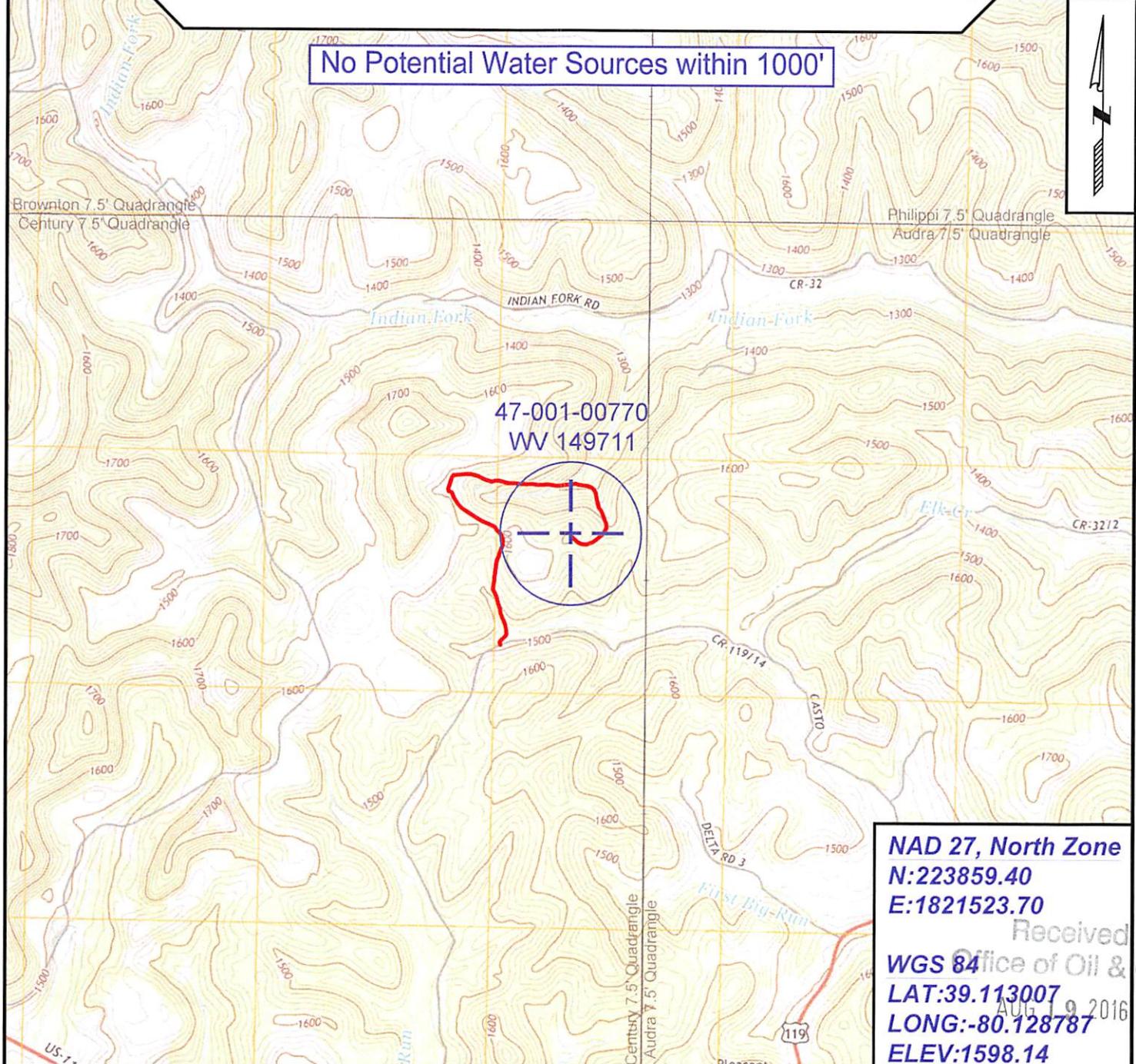
**MARTINSBURG OFFICE**  
25 Lights Addition Drive  
Martinsburg, WV 25404  
*phone:* 304-901-2162  
*fax:* 304-901-2182

Topo Quad: Century 7.5'	Scale: 1" = 2000'
County: Barbour	Date: July 22, 2016
District: Union	Project No: 163-10-00-16

Water

# 47-001-00770 WV 149711 (Lucille Chesser #1 B-26)

No Potential Water Sources within 1000'



**NAD 27, North Zone**  
**N:223859.40**  
**E:1821523.70**

**WGS 84**  
**LAT:39.113007**  
**LONG:-80.128787**  
**ELEV:1598.14**

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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