



 west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, January 11, 2019
 WELL WORK PLUGGING PERMIT
 Vertical Plugging

EQT PRODUCTION COMPANY
 625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for 12222
 47-033-00993-00-00

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: 12222
 Farm Name: PHILLIPS, ESTHER R.
 U.S. WELL NUMBER: 47-033-00993-00-00
 Vertical Plugging
 Date Issued: 1/11/2019

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47-033-0093 P
01/11/2019

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.

01/11/2019

10/11/18
 10/11/18

October 8, 2018
 152031 Esther R Phillips #12222A

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 / Fluid injection / Waste disposal
 or "Gas, Production" or Underground storage Deep / Shallow

Location: Elevation 1131 Watershed Tenmile Creek
 District Sardis- Outside County Harrison Quadrangle Wolf Summit

5. Well Operator EQT Production Company Designated Agent Jason Ranson
 Address 2400 Ansys Drive- Suite 200 Address 120 Professional Place
Canonsburg PA 15317 Bridgeport WV 26330

6. Oil and Gas Inspector to be notified Name Sam Ward Plugging Contractor
 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

Sam Ward

Date 11/8/2018

PLUGGING PROGNOS

152031
E.R.Phillips
API# 47-033-00993
District, Sardis
Harrison County, WV

BY: R Green
DATE: 12/05/17

CURRENT STATUS:

TD @ 4635' (Plugged back to 3556')
Elevation @ 1138'

16" casing @ 20' (CTS)
11" casing @ 153' (CTS)
8 5/8" casing @ 1154' (CTS)
4 1/2" casing @ 3551' (125 sks)
Perforations. @ 3334' to 3356'. 24 holes (Balltown)

Fresh Water @ None Reported
Saltwater @ None Reported
Oil Show @ 800'
Gas shows @ 3334'
Coal @ 165' & 930'

1. Notify inspector, Sam Ward, @ 304-389-7583, 24 hrs. prior to commencing operations.
2. TIH and check TD @ or below 3400'.
3. TIH tubing to 3400', spot 30 bbl. of 6% gelled water, followed by a 250' C1A cement plug. 3400' to 3150'. WOC 8 hrs. Tag TOC, add additional C1A cement if necessary. (Perforations @ 3334')
4. Free point 4 1/2" casing, cut casing @ free point. TOO H 4 1/2" casing. \approx 2900'.
5. Set a 200' 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.
6. TOO H to 1250' set a 250' C1A cement plug 1250' to 1000', (8 5/8" casing seat & elevation).
7. TOO H to 600' set a 200' C1A cement plug 600' to 400' (Safety Plug).
8. TOO H to 200' set a 200' C1A cement plug 200' to surface.
9. Erect monument with API#, date plugged, & company name.
10. Reclaim location and road to WV-DEP specifications.

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OCT 17 2018

WV Department of
Environmental Protection

01/11/2019

PLUGGING PROGNOS

152031
 E.R. Phillips
 API# 47-033-00993
 District, Sardis
 Harrison County, WV

BY: R Green
 DATE: 12/05/17

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 Oil Show @ 800'
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4. Free point 4 1/2" casing, cut casing @ free point. TOOH 4 1/2" casing.
5. Set a 200' CIA cement plug 50' in/out of casing cut. Perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
6. TOOH to 1250' set a 250' CIA cement plug 1250' to 1000', (8 5/8" casing seat & elevation)-
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9. Erect monument with API#, date plugged, & company name.
10. Reclaim location and road to WV-DEP specifications.

SDW

11/8/2018

OG10
Rev. - 9-71



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle CLARKSBURG

Permit No. HAR-993

Rotary XXX Oil _____
Cable _____ Gas XXX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, W. Va.</u>				
Farm <u>Esther B. Phillips</u> Acres <u>30</u>	Size			
Location (waters) <u>Tennile Creek</u>	16" 16"	20'	20'	To surface
Well No. <u>12222</u> Elev. <u>1138'</u>	Cond.			
District <u>Sardis</u> County <u>Harrison</u>	11" 11"	153'	153'	To surface
The surface of tract is owned in fee by <u>Kinzya Swiger</u>	9 5/8			
Address <u>Wilsonburg, W. Va.</u>	8 5/8	1154'	1154'	To surface
Mineral rights are owned by <u>Esther Phillips</u>	7			
Address <u>Rt. #3 Grafton, W. Va.</u>	5 1/2			
Drilling Commenced <u>10-12-76</u>	4 1/2	3551'	3551'	125 Bags
Drilling Completed <u>10-20-76</u>	3			
Initial open flow <u>8 1/2 M.</u> cu. ft. _____ bbls.	2			
Final production <u>888 M.</u> cu. ft. per day _____ bbls.	Liners Used			
Well open <u>14 days</u> hrs. before test <u>1340#</u> RP.				

TOC @ 2900'

Well treatment details: Attach copy of cementing record.
Balltown fractured with 60,000# sand, 934 bbl water, 1000 gal acid.
Perforations: 3334-3356' with 2h holes

Coal was encountered at 165' 930' Feet 21" 36" Inches
Fresh water None ?? Feet _____ Salt Water None Feet _____
Producing Sand Balltown Depth 3334-3356'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	165		
Coal			165	167		
Sand & Shale			167	930	Oil	800' Show
Coal			930	934	Damp	934'
Sand & Shale			934	1360		
Big Lime			1360	1510		
Injun Sand			1510	1685		
Sand & Shale			1685	1943		
Gantz			1943	1955		
50'			1980	2057		
Sand & Shale			2057	3051		
Speehley			3117	3128		
Balltown			3244	3382	Gas	3334'
Riley			4186	4354		
Benson			4504	4511	No gas in Benson	
Total Depth Drilled				4635'		
Gelled & Cemented back to				3556'	Present Depth	
KPM 10' above G.L.						

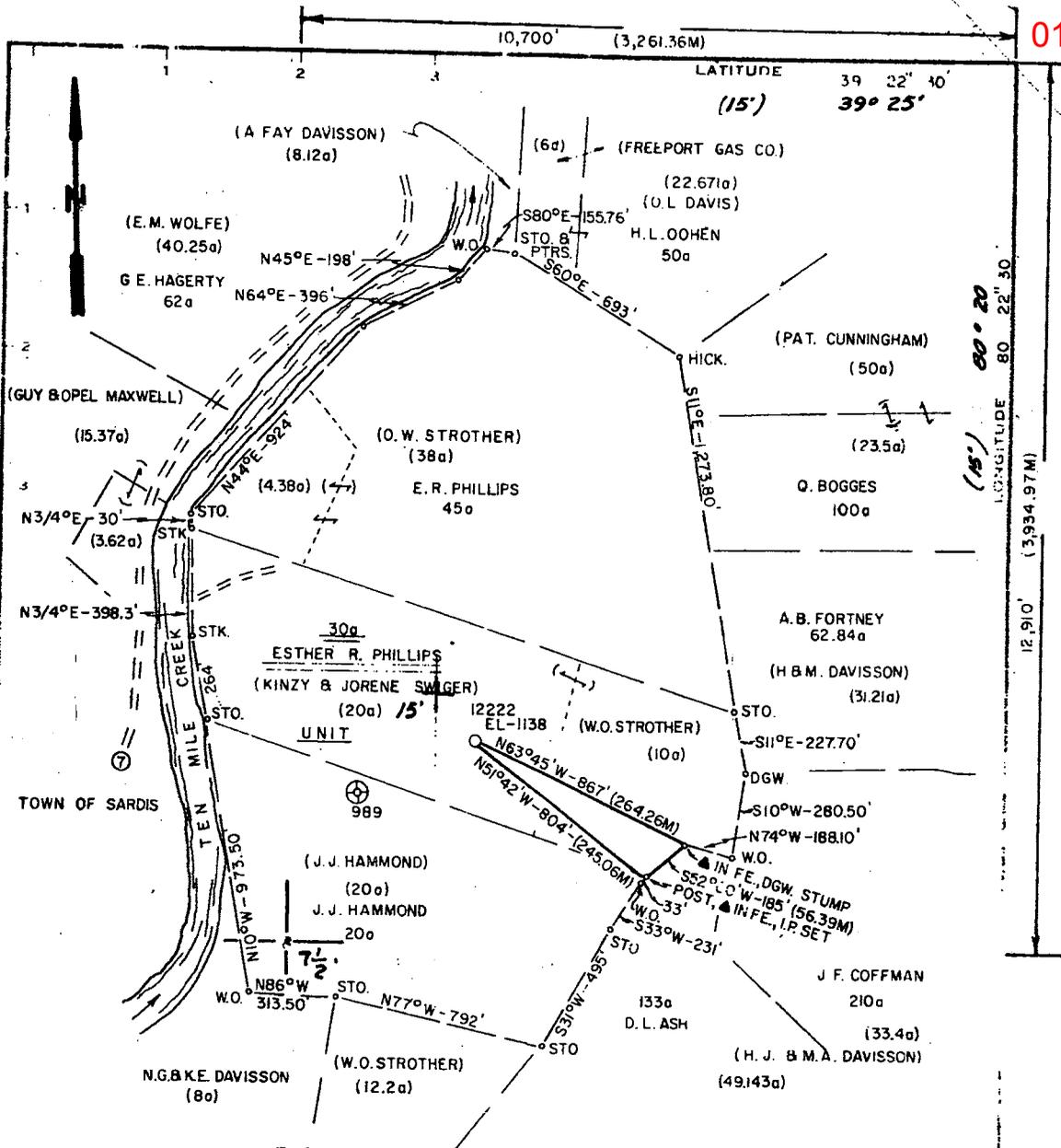
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Consolidated Gas Supply Corporation
145 West Main Street
Clarksburg, W. Va.

(over)

* Indicates Electric Log tops in the remarks section.

01/11/2019



Scale 1" = 200'
 BM = C.G.S.C WELL# 7757 ELEV.-946'

New Location X
 Drill Deeper
 Abandonment

MAP SHEET 44 S8E11 F.B. 1800 PG. 17-18

Company: CONSOLIDATED GAS SUPPLY CORP.
 Address: CLARKSBURG, W. VA.
 Farm: ESTHER R. PHILLIPS (KINZY & JORENE SWIGER)
 Tract: 30 Lease No: 79964
 Well (Farm) No.: Serial No. 12222
 Elevation (Spirit Level): 1138'
 Quadrangle: WOLF SUMMIT 7 1/2, Clarkburg 15
 County: HARRISON District: SARDIS
 Engineer: *Jochan M. Lewis*
 Engineer's Registration No.: 2597
 File No.: Drawing No.:
 Date: 9-17-76 Scale: 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION
 CLARKSBURG, W. VA.
WELL LOCATION MAP
 FILE NO. **HAR-993**
 - Denotes location of well on United States Topographic Maps, scale 1 to 24,000 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing

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 WV Department of Environmental Protection

47-033-00993P

01/11/2019

WW-4A
Revised 6-07

1) Date: October 8, 2018
2) Operator's Well Number
152031 Esther R Phillips #12222A
3) API Well No.: 47 - 033 - 00993

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: (a) Name See Attached, Address, (b) Name, Address, (c) Name, Address
5) (a) Coal Operator Name, Address, (b) Coal Owner(s) with Declaration Name See Attached, Address, (c) Coal Lessee with Declaration Name, Address
6) Inspector Sam Ward, Address PO Box 2327, Buckhannon WV 26201, Telephone (304) 389-7583

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
Its: Regional Land Supervisor
Address 2400 Ansys Drive, Suite 200
Canonsburg PA 15317
Telephone (304) 848-0035

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Office of Oil and Gas
OCT 17 2018

Subscribed and sworn before me this 11 day of October 2018
Rebecca L. Wanstreet Notary Public
My Commission Expires 4-7-2020

WV Department of Environmental Protection

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.

01/11/2019

47-033-00993

152031 Esther R Phillips #12222A

Owner(s) (Surface and Access)

Andrew Kennedy and Joy Mobyed
154 Copperhead Rd.
Clarksburg WV 26301

Richard Ray Strother II and William Luke Strother
577 Heron Way
Clarksburg WV 26301

Coal Owner(s)

Andrew Kennedy and Joy Mobyed
154 Copperhead Rd.
Clarksburg WV 26301

Richard Ray Strother II and William Luke Strother
577 Herron Way
Clarksburg WV 26301

Potential Water Owner(s):

Howard G Hickey Jr. and Jackie R Hickey
287 Shingleton Road
Clarksburg WV 26301

Andrew Kennedy and Joy Mobyed
154 Copperhead Rd.
Clarksburg WV 26301

Richard Ray Strother II and William Luke Strother
577 Herron Way
Clarksburg WV 26301

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OCT 17 2018
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Environmental Protection

47-033-00993P

WW-9
(5/16)

01/11/2019

API Number 47 - 033 - 00993
Operator's Well No. 152031 Esther R Phillips #12222A

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) Tenmile Creek Quadrangle Wolf Summit

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 _____)

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

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Office of Oil and Gas

OCT 17 2018

WV Department of
Environmental Protection

Subscribed and sworn before me this 11 day of October, 20 18

[Signature]

Notary Public

My commission expires 4-7-2020



WW-9
(5/16)

API Number 47 - 033 - 00993
Operator's Well No. 152031 Eslier R Phillips 12222A

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) Tenmile Creek Quadrangle Wolf Summit

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- Other (Explain)

SDW
11/8/2018

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?

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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

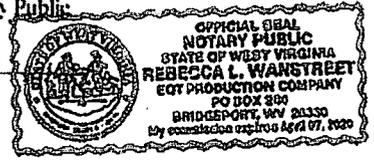
Company Official Title Regional Land Supervisor

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

[Signature]

Notary Public

My commission expires 4-7-2020



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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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: _____

Comments: _____

Title: _____

Date: _____

Field Reviewed? () Yes () No

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WV Department of
Environmental Protection

Form W W-9

Operator's Well No. 152034 Esther R Phillips #12222A

Proposed Revegetation Treatment: Acres Disturbed 1±

Prevegetation pH

Line 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:

Map(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:

S. J. O'Connell

Comments:

Title:

COG Inspected

Date:

1/8/2018

Field Reviewed?

() Yes

(*X*) No

Topo Quad: Wolf Summit 7.5' Scale: 1" = 200'

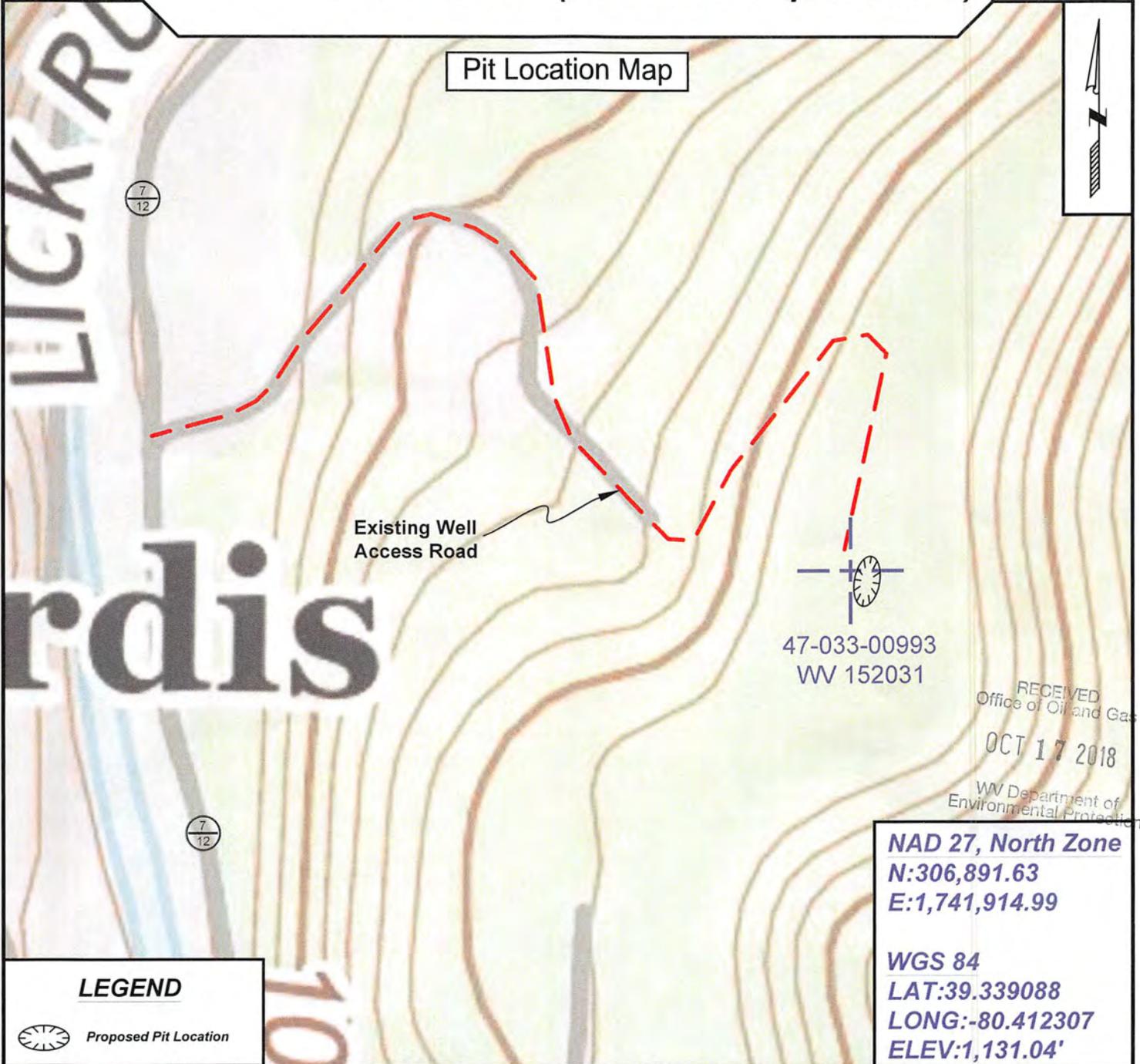
County: Harrison Date: September 20, 2018

District: Sardis Project No: 70-36-00-08

47-033-00993 WV 152031 (Esther R. Phillips #12222A)

Topo

Pit Location Map



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WV Department of
Environmental Protection

NAD 27, North Zone
N:306,891.63
E:1,741,914.99
WGS 84
LAT:39.339088
LONG:-80.412307
ELEV:1,131.04'

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: Wolf Summit 7.5'

Scale: 1" = 500'

County: Harrison

Date: September 20, 2018

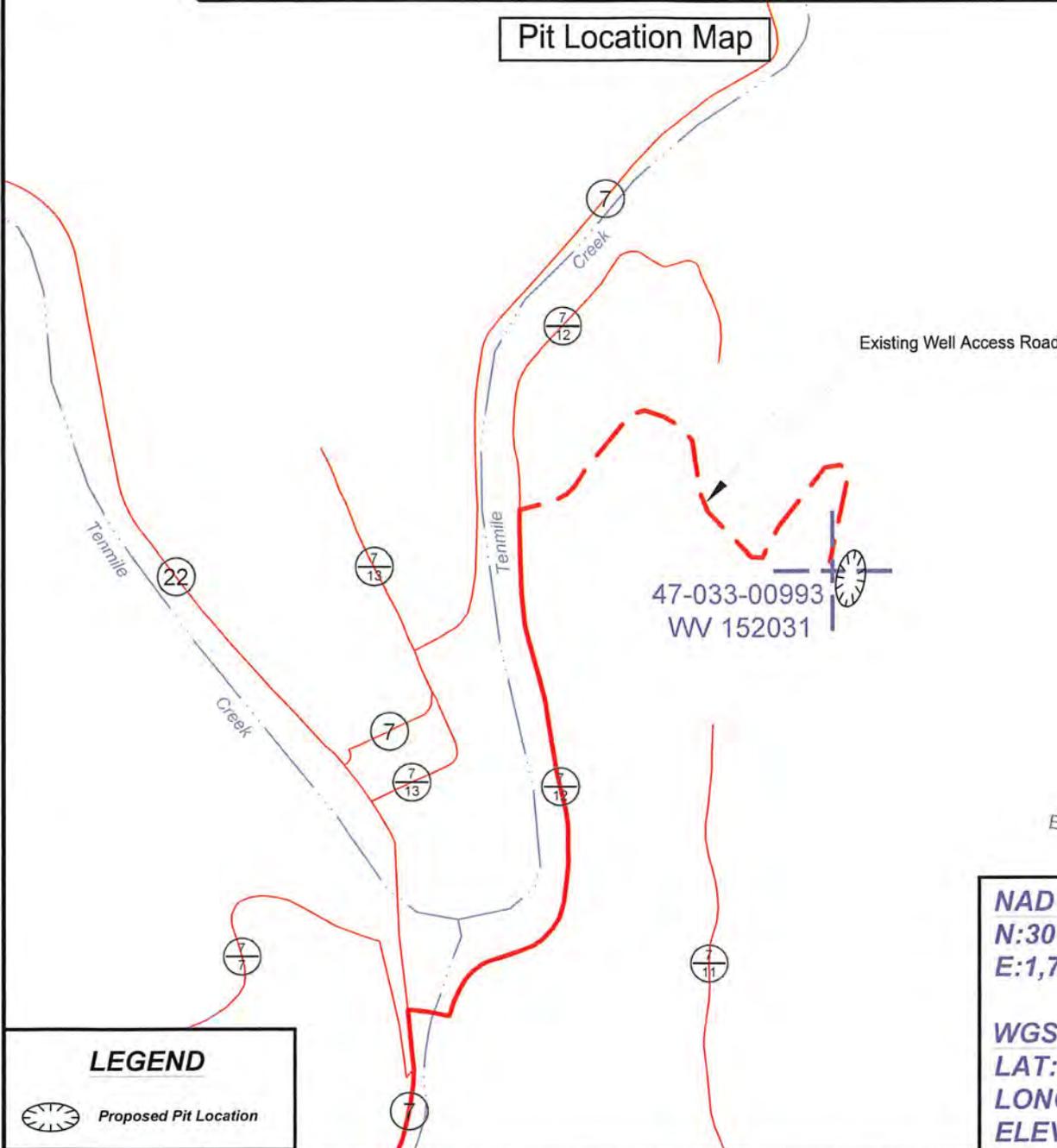
District: Sardis

Project No: 70-36-00-08

Highway

47-033-00993 WV 152031 (Esther R. Phillips #12222A)

Pit Location Map



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WV Department of
Environmental Protection

NAD 27, North Zone
N:306,891.63
E:1,741,914.99
WGS 84
LAT:39.339088
LONG:-80.412307
ELEV:1,131.04'

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

47-033-00993P

Topo Quad: Wolf Summit 7.5'

Scale: 1" = 200'

01/11/2019

County: Harrison

Date: September 20, 2018

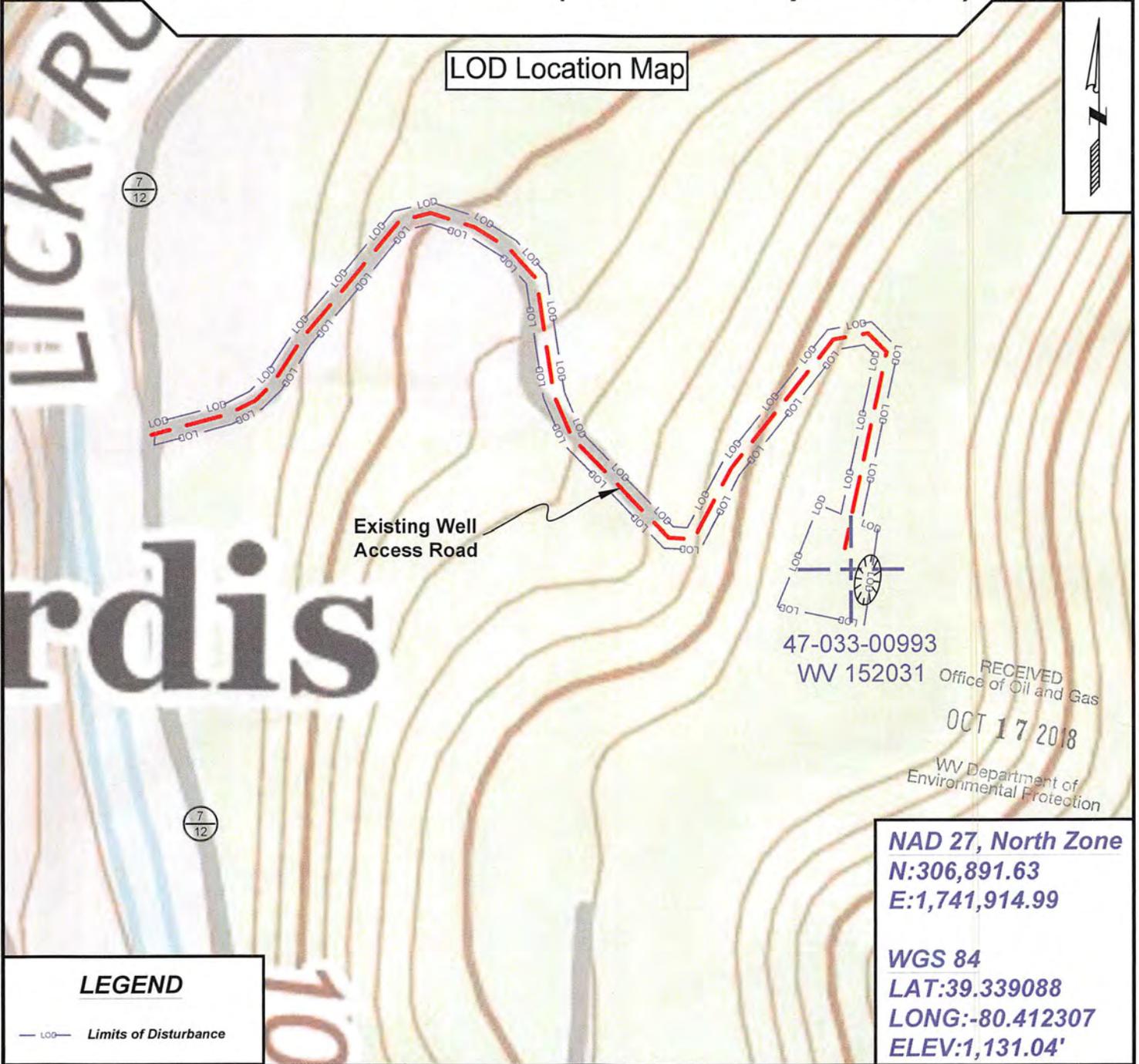
District: Sardis

Project No: 70-36-00-08

47-033-00993 WV 152031 (Esther R. Phillips #12222A)

Topo

LOD Location Map



LEGEND

— LOD — Limits of Disturbance

NAD 27, North Zone
N:306,891.63
E:1,741,914.99

WGS 84
LAT:39.339088
LONG:-80.412307
ELEV:1,131.04'

47-033-00993
 WV 152031
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 WV Department of
 Environmental Protection



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

01/11/2019

Topo Quad: Wolf Summit 7.5'

Scale: 1" = 2000'

County: Harrison

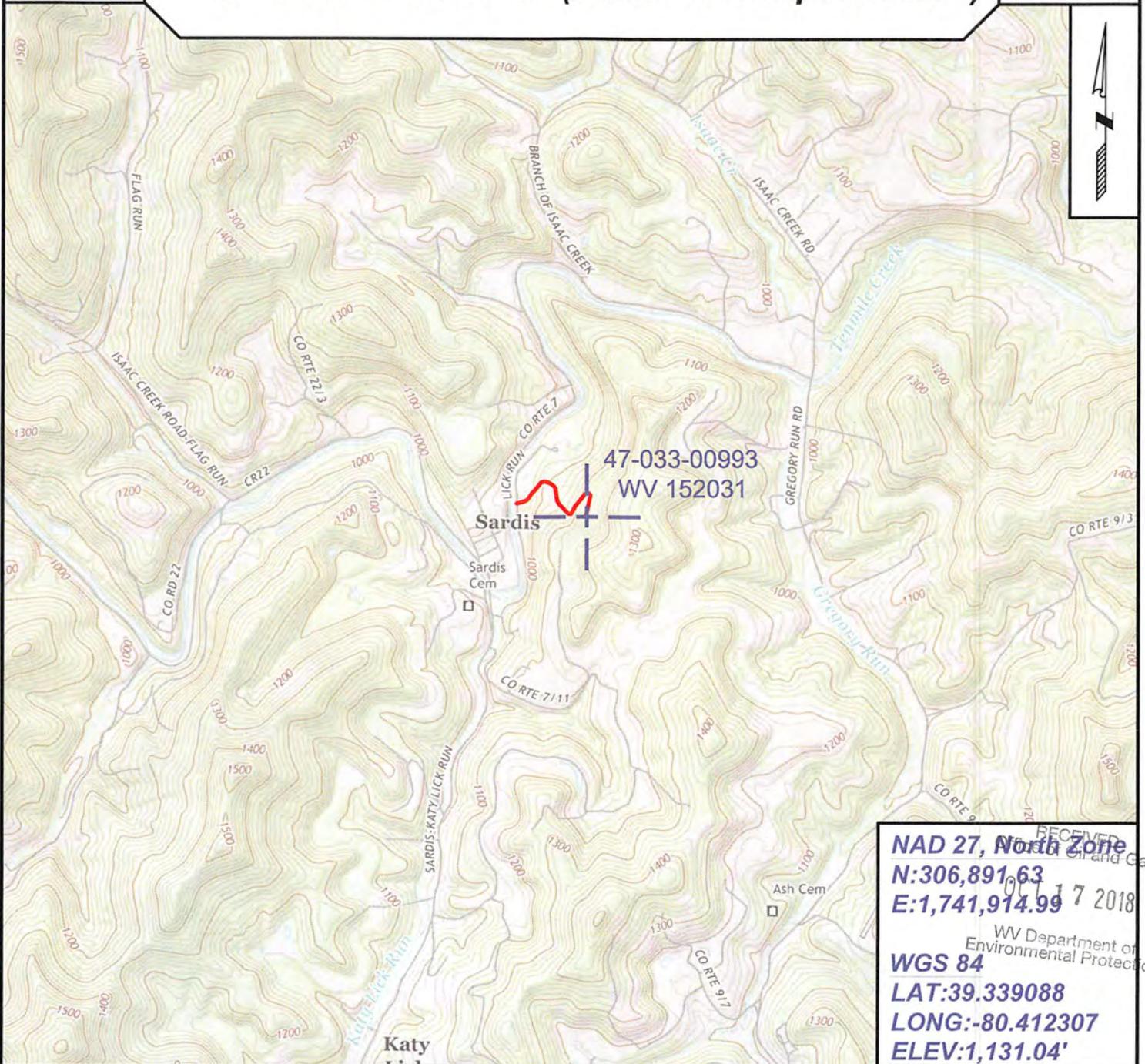
Date: September 20, 2018

District: Sardis-Outside

Project No: 70-36-00-08

47-033-00993 WV 152031 (Esther R. Phillips #12222A)

Topo



47-033-00993
WV 152031

Sardis

RECEIVED
 NAD 27, North Zone
 N:306,891.63
 E:1,741,914.99
 01/17/2018
 WV Department of
 Environmental Protection
 WGS 84
 LAT:39.339088
 LONG:-80.412307
 ELEV:1,131.04'



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

WW-7
8-30-06



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

API: 47-033-00993 WELL NO.: WV 152031 (Esther R. Phillips #12222A)

FARM NAME: Esther R. Phillips

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Harrison DISTRICT: Sardis-Outside

QUADRANGLE: Wolf Summit 7.5'

SURFACE OWNER: Andrew Kennedy and Joy Mobyed

ROYALTY OWNER: H. M. Burton, et al.

UTM GPS NORTHING: 4354571

UTM GPS EASTING: 550646 GPS ELEVATION: 345 m (1131 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.

RECEIVED
Office of Oil and Gas

OCT 17 2018

WV Department of
Environmental Protection

Signature

PS# 2180

Title

9/21/18

Date