



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

Thursday, November 29, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for HUSTEAD 1796
47-033-00907-00-00

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

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: HUSTEAD 1796
Farm Name: KESLING, WAYNE
U.S. WELL NUMBER: 47-033-00907-00-00
Vertical Plugging
Date Issued: 11/29/2018

Promoting a healthy environment.

I

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.

2018

October 8

18

656996 H H Mustad #1795

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

Well Type: Oil / Gas / Liquid injection / Waste disposal
If "Gas, Production or Underground storage Deep / Shallow

Location: Elevation: 1453
District: Sardis-Outside

Watershed: Shinn Run
County: Harrison Quadrangle: Wallace

Well Operator: EQT Production Company
Address: 2400 Ansys Drive- Suite 200
Canonsburg PA 15317

Designation Agent: Jason Ranson
Address: 120 Professional Place
Bridgeport WV 26330

Oil and Gas Inspector to be notified:
Name: Sam Ward
Address: PO Box 2327
Buckhannon WV 26201

Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO Box 995
Buckhannon WV 26201

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 II

Date

11/8/2018

PLUGGING PROGNOS

656986
 H.H.Hustead
 API# 47-033-01695
 District, Sardis
 Harrison County, WV

BY: R Green
 DATE: 12/05/17

CURRENT STATUS:

TD @ 3935'
 Elevation @ 1489'

13" casing @ 6'
 9 5/8" casing @ 565'
 7" casing @ 1839'
 4 1/2" casing @ 3901'

Fresh Water @ 95'
 Saltwater @ 837'
 Oil Show @ None Reported
 Gas shows @ 1956'
 Coal @ 55' & 538'
 Perforations 3817' to 3851' (Balltown)
 " 1964' to 1975' (Big Injun)
 Squeezed with 70 sks of cement @ 2080'

1. Notify inspector, Sam Ward @ 304-389-7583, 24 hrs. prior to commencing operations.
2. TIH check TD@ or below 3900'.
3. TIH spot 35 bbl. of 6% gelled water followed by a 300' C1A cement plug, 3900' to 3600' (Balltown perms) WOC 8 hrs. Tag TOC, add additional C1A cement if necessary.
4. TOOH to 2600' set a 200' C1A cement plug 2600' to 2400'.
5. TOOH to 2050' set a 275' C1A cement plug 2050' to 1775' (Big Injun perms & 7" casing seat).
6. Free point 4 1/2" casing, cut casing @ free point. TOOH 4 1/2" casing.
7. Set a 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. Free point 7" casing, cut casing @ free point. TOOH 7" casing.
9. Set a 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 to 1540' set 100' C1A cement plug 1540' to 1440'. (Elevation)
11. TOOH to 1000' set 200' C1A cement plug 1000' to 800'.
12. TOOH to 650' set 200' C1A cement plug 650' to 450'. (9 5/8" casing seat, Coal @ 538').
13. TOOH to 250', set 250' C1A cement plug 250' to surface. (Coal @ 55')
14. Erect monument with API#, date plugged, & company name.
15. Reclaim location and road to WV-DEP specifications.

S DW
 11/8/2018

WR-35

11-Apr-95

RECEIVED

API # 47- 33-00907 F

WV Division of Environmental Protection

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

DEC 01 1995

Well Operator's Report of Well Work

Permitting

Farm name: Office of Oil & Gas, WAYNE

Operator Well No.: HUSTEAD #1796

LOCATION: Elevation: 1,489.00 Quadrangle: WALLACE

District: SARDIS County: HARRISON
Latitude: 11470 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 3650 Feet West of 80 Deg. 25 Min. 0 Sec.

Company: CARNEGIE NATURAL GAS CO.
800 REGIS AVE
PITTSBURGH, PA 15236-0000

Agent: DOUGLAS R. NAY

Inspector: TIM BENNETT
Permit Issued: 04/11/95
Well work Commenced: 5-8-95
Well work Completed: 10-3-95
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
NO ADDITIONAL PIPE RUN IN WELL			
REFER TO ORIGINAL REPORT			

OPEN FLOW DATA

Producing formation BIG INJUN Pay zone depth (ft) 1964-1975
Gas: Initial open flow - MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow - MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 300 psig (surface pressure) after 16 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: CARNEGIE NATURAL GAS CO.

By: Douglas R. Nay
Date: NOVEMBER 10, 1995

Wallace 8

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OCT 17 2018

WV Department of Environmental Protection

API# 47-033-907-F
WELL #1796 HUSTEAD

1. SET SOLID BRIDGE PLUG @ 2760'
2. PERFORATED SQUEEZE HOLES (4) @ 2080'
3. PUMPED 70 SKS OF CEMENT SQUEEZE
4. DRILLED OUT PLUG @ 2760'
5. SET SOLID BRIDGE PLUG AT 2039'
6. FRACTURED WELL

FRAC DATA

TYPE: ENERGIZED WATER

<u>FRACTURED</u>	<u>PERFORATIONS</u>	<u>HOLES</u>	
BIG INJUN	1964 - 1975	12	50 SKS 80/100 SAND 250 SKS 20/40 SAND 428 BBL GELLED WATER 126,400 SCF (N2)

FLOWED BACK WELL, DRILLED OUT PLUGS TO ORIGINAL TD 3935'



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DEC 18 1975

47-033-00907P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Clarksburg NW

Permit No. HAR-907

Company <u>Carnegie Natural Gas Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>3904 Main St., Munhall, Pa. 15120</u>	Size			
Farm <u>H. H. Hustead</u> Acres <u>115</u>	20-16			
Location (waters) <u>Bennett Run</u>	Cond.			
Well No. <u>4-1796</u> Elev. <u>1489</u>	13-10"		7'	
District <u>Sardis</u> County <u>Harrison</u>	9 5/8		565'	100 sacks
The surface of tract is owned in fee by _____	8 5/8			
<u>Wayne Kesling</u>	7		1839'	35 sacks
Address <u>Lumberport, WVa.</u>	4 1/2		3901'	85 sacks
Mineral rights are owned by <u>H. H. Hustead Heirs</u>	3			
Address <u>Union Nat. Bank, Clarksburg, WV 1/2</u>	2			
Drilling Commenced <u>Sept. 11, 1975</u>	Liners Used			
Drilling Completed <u>Sept. 23, 1975</u>				
Initial open flow _____ cu. ft. _____ bbls.				
Final production <u>557,000</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test <u>1325</u> RP.				

Well treatment details:

Attach copy of cementing record.

Perforations: 3817-3851 21 - 3/4" Al. Stick Jcts.
Fractured: 733 barrels of water, 32,000# 20-40 Sand, using 500 gallons of HCL acid to breakdown.

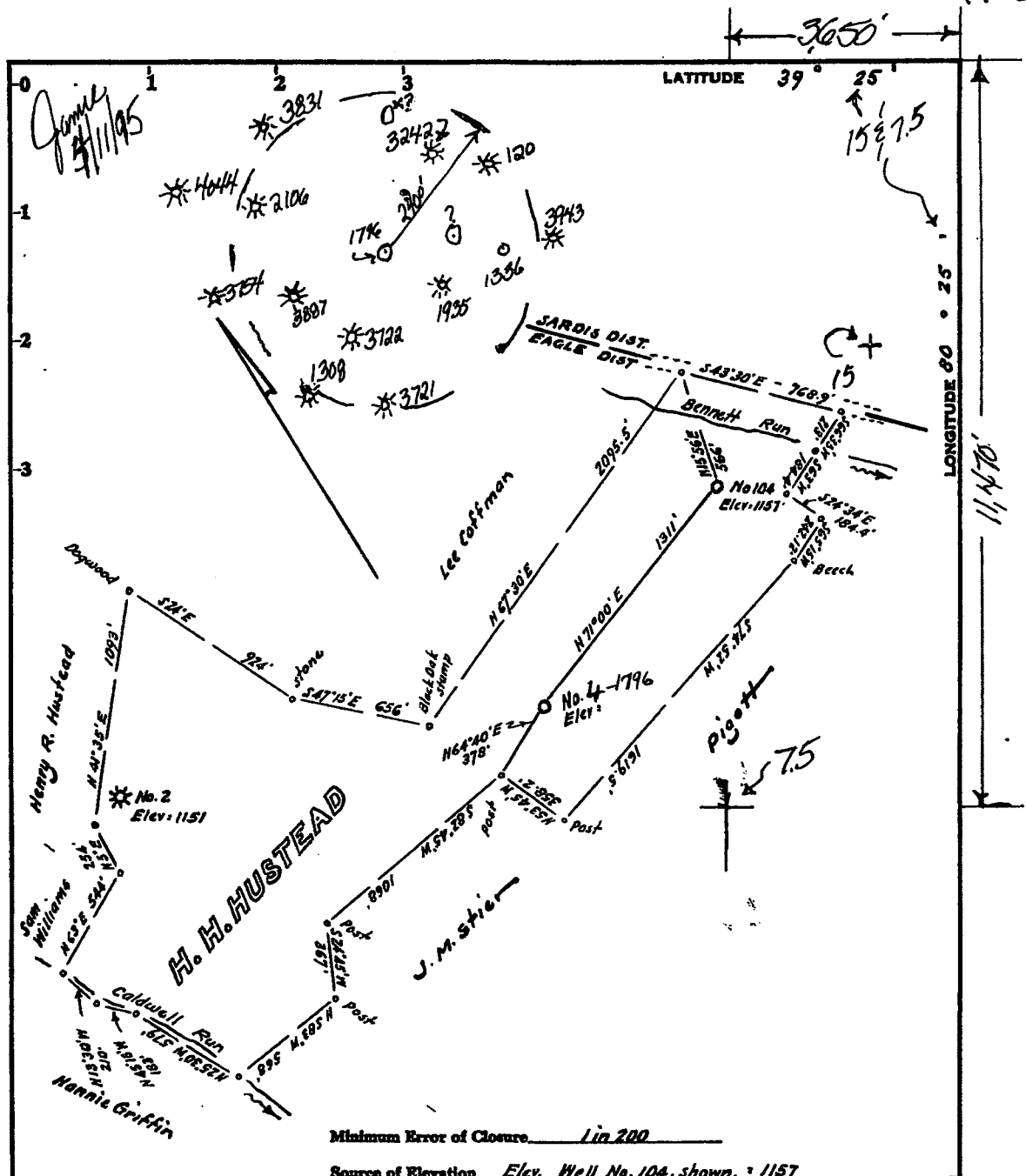
Coal was encountered at 538-542 Feet 48 Inches
Fresh water 95 Feet Salt Water 837 Feet
Producing Sand Balltown Depth 3817-3851

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock			0	5		
Sand			5	12		
Red Rock			12	17		
Sand & Shale			17	55		
Coal			55	59		
Sand & Shale			59	538	Water at 95'	
Coal			538	542		
Sand & Shale			542	680		
Red Rock			680	730		
Sand			730	766		
Red Rock			766	771		
Shale			771	780		
Red Rock			780	788		
Sand & Shale			788	1700	Water at 837'	
Red Rock			1700	1706		
Sand & Shale			1706	1742		
Red Rock			1742	1754		
Sand			1754	1765		
Red Rock			1765	1772		
Sand & Shale			1772	1811		
Little Lime			1811	1827		
Pencil Cave			1827	1844		
Big Lime			1844	1900		
Sand & Shale			1900	3935	Smell @ 1956 T.D. 3935'	

(over)

* Indicates Electric Log tops in the remarks section.

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WV Department of
Environmental Protection



Minimum Error of Closure 1 in 200
 Source of Elevation Elev. Well No. 104, shown, 1157

Fracture
 New Location
 Drill Deeper
 Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]
 Squares: N S E W

Company CARNEGIE NATURAL GAS COMPANY
 Address Box 387, Mannington, W. Va. 26052
 Farm H. H. Hustead
 Tract: _____ Acres 115 Lease No. 6743
 Well (Farm) No. Four Serial No. 1796
 Elevation (Spirit Level) 1489
 Quadrangle Clarksburg 15/Wallace 7.5
 County Harrison District Sardis
 Surveyor [Signature]
 Surveyor's Registration No. 1227
 File No. _____ Drawing No. _____
 Date April 26, 1975 Scale 1" = 600'

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil & Gas
 Nitro, W.V.
WELL LOCATION MAP
47-033-00907F
 Spacing 4 1/2 inch Field, Aorden Soft.
 + Denotes location of well on United States Topographic Maps, scale 1 to _____, 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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 OCT 17 2018
 WV Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: October 8, 2018
2) Operator's Well Number
656986 H H Husted #1796
3) API Well No.: 47 - 033 - 00907

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
 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
WV Department of
Environmental Protection

Subscribed and sworn before me this 11 day of October 2018
Rebecca L. Wanstreet 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 depprivacvoffier@wv.gov.

47-033-00907P

47-033-00907

656986 H. H. Husted #1796

Owner(s) (Surface and Access)

Paul J and Alberta Arnett
895 Bennett Run Road
Lumberport WV 26386

Betty J Kesling
43 Millbrook Road
Bridgeport WV 26330

Coal Owner(s)

Margaret Smith
PO Box 43
Haywood WV 26366

Kenneth E Bennett
1600 Tomahawk Trail
Winchester VA 22602

Delores Cress
2297 Hawthorn Road
Spring Hill FL 34609

Sharon Husted
706 Olive Lane
Ambridge PA 15003

Lori Husted Warren
192 Oak Street
Fair Oaks PA 15003

Steven Husted
514 West Beaver Avenue
West Aliquippa PA 15001

ET Bluegrass Apollo Division
PO Box 2347
Charleston WV 25328

Bounty Minerals LLC
777 Main Street Suite 3400
Fort Worth TX 76102

Raymond N and Alice J Sehon Trust
Raymond N Sehon or Alice J Sehon, Co-Trustees
1120 Teton Avenue
Caldwell ID 83605

Potential Water Owner(s):

N/A

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Office of Oil and Gas
OCT 17 2018
WV Department of
Environmental Protection

47-033-00907F

WW-9
(5/16)

API Number 47 - 033 - 00907
Operator's Well No. 656986 H H Husted #1796

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) Shinn 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 _____)

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 *Erin Spine*

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

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Office of Oil and Gas

OCT 17 2018

WV Department of
Environmental Protection



Form WW-9

Operator's Well No. 656986 H H Husted #1796

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. L. DeWanna*

Comments:

Title: *S. L. DeWanna* OOG Inspector

Date: 11/8/2018

Field Reviewed? () Yes () 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

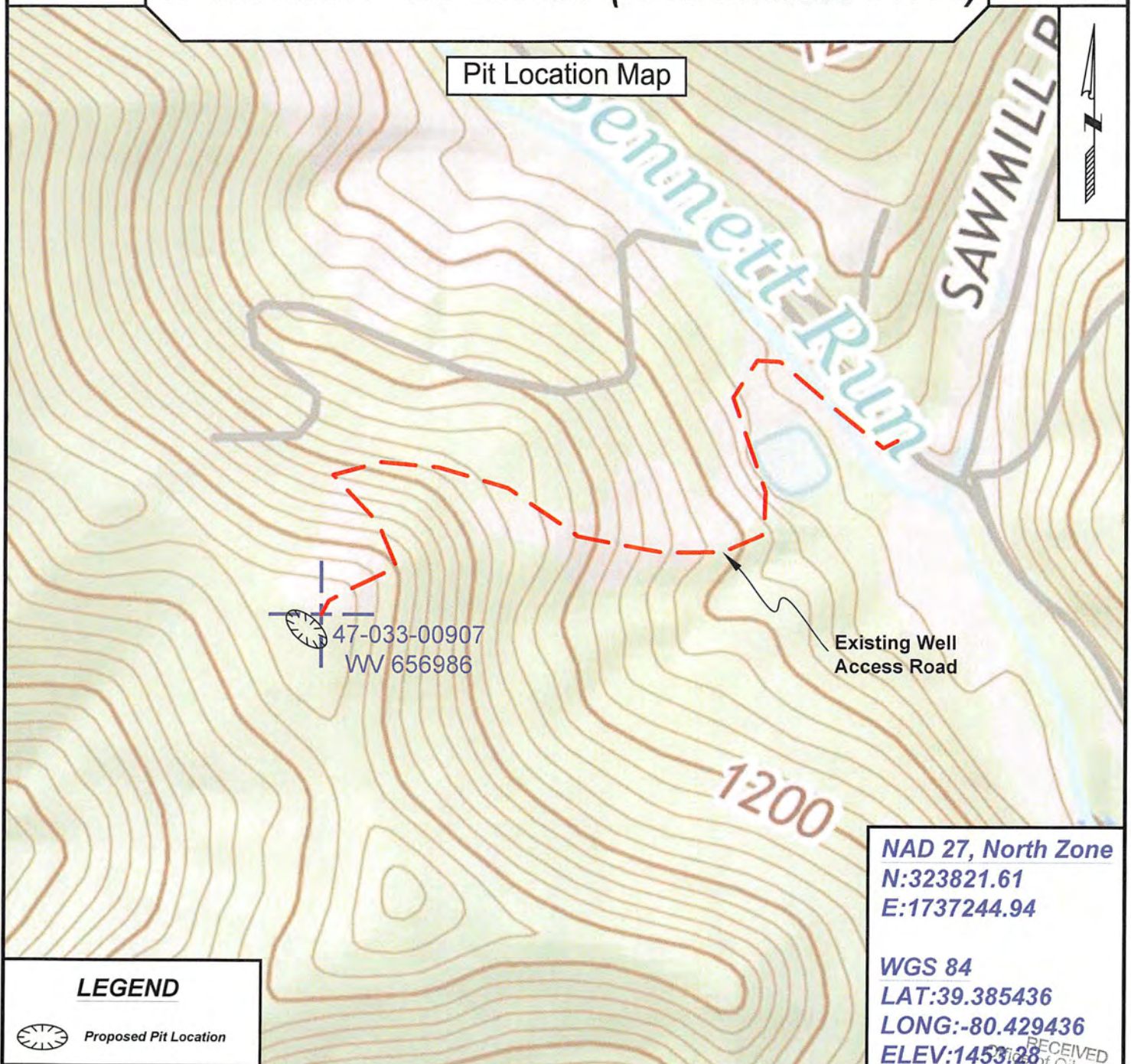
47-033-00907P

Topo Quad: Wallace 7.5'	Scale: 1" = 400'
County: Harrison	Date: September 26, 2018
District: Sardis-Outside	Project No: 70-36-00-08

47-033-00907 WV 656986 (H. H. Husted #1796)

Topo

Pit Location Map



Existing Well Access Road


47-033-00907
WV 656986

1200

NAD 27, North Zone
 N:323821.61
 E:1737244.94

WGS 84
 LAT:39.385436
 LONG:-80.429436
 ELEV:1453.28

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

OCT 17 2018
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 Department of Environmental Protection
 Office of Oil and Gas

47-033-00907P

Topo Quad: Wallace 7.5'

Scale: 1" = 500'

County: Harrison

Date: September 26, 2018

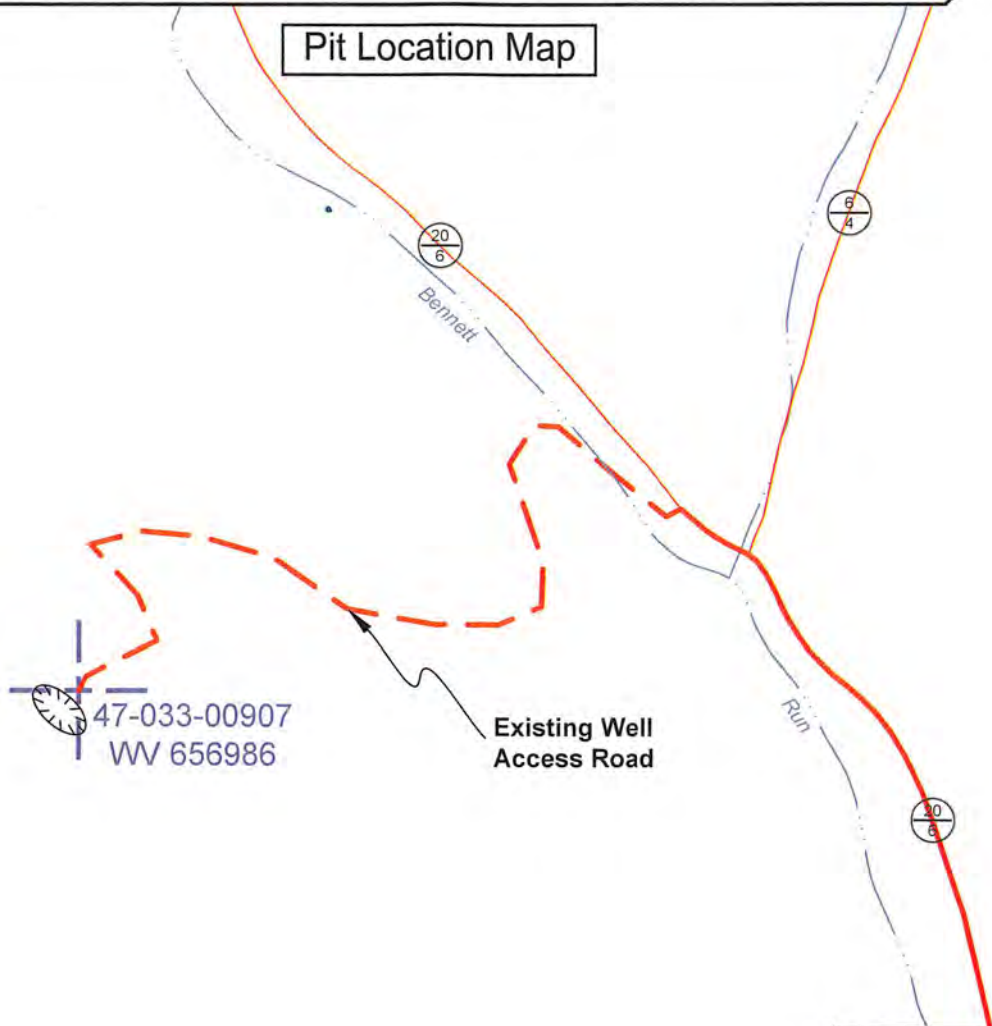
District: Sardis-Outside

Project No: 70-36-00-08

Highway

47-033-00907 WV 656986 (H. H. Hustead #1796)

Pit Location Map



47-033-00907
WV 656986

Existing Well
Access Road

NAD 27, North Zone
N:323821.61
E:1737244.94

WGS 84
LAT:39.385436
LONG:-80.429436
ELEV:1453.28

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

47-033-00907

Topo Quad: Wallace 7.5' Scale: 1" = 400'

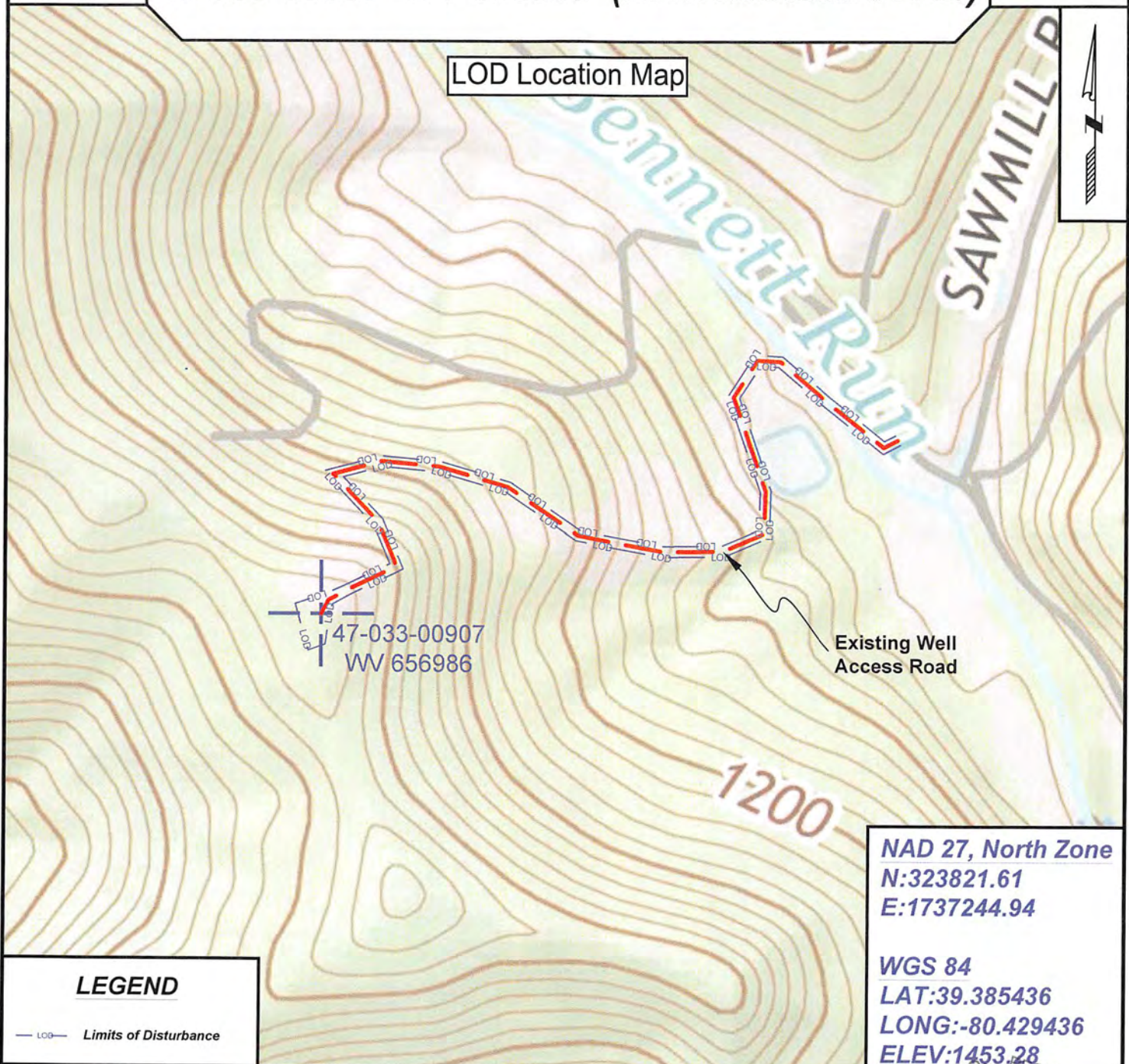
County: Harrison Date: September 26, 2018

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

47-033-00907 WV 656986 (H. H. Hustead #1796)

Topo

LOD Location Map



NAD 27, North Zone
N:323821.61
E:1737244.94

WGS 84
LAT:39.385436
LONG:-80.429436
ELEV:1453.28

LEGEND

— LOD — Limits of Disturbance



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

Office of Oil and Gas
OCT 17 2018
WV Department of Environmental Protection

WW-7
8-30-06



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

API: 47-033-00907 WELL NO.: WV 656986 (H. H. Husted #1796)

FARM NAME: H. H. Husted

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Harrison DISTRICT: Sardis - Outside

QUADRANGLE: Wallace 7.5'

SURFACE OWNER: Paul J. & Alberta Arnett

ROYALTY OWNER: Margaret Smith, et al.

UTM GPS NORTHING: 4359706

UTM GPS EASTING: 549137 GPS ELEVATION: 443 m (1453 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 _____

- 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

PS# 2180
Title

9/26/18
Date

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Office of Oil and Gas
OCT 17 2018
WV Department of
Environmental Protection