



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, March 29, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

ALLIANCE PETROLEUM CO., LLC
101 MCQUISTON DRIVE
JACKSON CENTER, PA 16133

Re: Permit approval for PERKINS 511185
47-035-02834-00-00

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.

A blue ink signature of James A. Martin, Chief, is written over a white background.

James A. Martin
Chief

Operator's Well Number: PERKINS 511185
Farm Name: ADKINS, SINDA M.
U.S. WELL NUMBER: 47-035-02834-00-00
Vertical Plugging
Date Issued: 3/29/2021

Promoting a healthy environment.

04/02/2021

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.
4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

4703502834P

WW-4B
Rev. 2/01

- 1) Date December 18th, 2020
- 2) Operator's Well No. PERKINS ELIZABETH HRS 358 511185
- 3) API Well No. 47-035 - 02834

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 X or Underground storage ___) Deep ___ / Shallow X

5) Location: Elevation 943' Watershed Laurel Run
District Washington County Jackson Quadrangle Kentuck

6) Well Operator ALLIANCE PETROLEUM CO., LLC 7) Designated Agent Jeff Mast
Address P.O. Box 6070 Address P.O. Box 6070
Charleston, WV 25362 Charleston, WV 25362

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Joe Taylor Name Diversified Production LLC (In-house Rig)
Address 1478 Claylick Road Address 1951 Pleasantview Ridge Road
Ripley, WV 25271 Ravenswood, WV 26164

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached

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

Work order approved by inspector  Date 12-20-20

04/02/2021

PLUGGING PROGNOSIS

API# 47-035-02834

West Virginia, Jackson County

38.722041602143, -81.5652141143793

Nearest Emergency Room: Jackson General Hospital, 122 Pinnell St, Ripley, WV 25271

Casing Schedule

13 3/8" csg @ 32'

9 5/8" csg @ 738' cemented to surface w/ 497 sks

7" csg @ 1691' cemented to surface w/ 440 sks

2 3/8" tbgs @ 1730'

TD 1735'

Completion: Natural Salt Sand**Fresh Water:** 500' and 530'**Gas Shows:** 1104'-1119', Salt Sand 1722'-1736'**Coal:** 1294', 1336', 1374', 1470'**Elevation:** 949'

1. Notify Inspector, Joe Taylor @ 304-380-7469, 48 hours prior to commencing operations.
2. Check and record pressures on csg.
3. Check TD w/ wireline.
4. TOOH LD 2 3/8" tbgs and inspect.
5. TIH w/ tbgs to 1736'. Load well as needed w/ 6% bentonite gel. Pump 114' C1A cement plug from **1736'-1622' (7' csg st and salt sand gas show)**. Tag TOC. Top off as needed.
6. TOOH w/ tbgs to 1622' and pump 6% bentonite gel from 1622'-1520'.
7. TOOH w/ tbgs to 1520'. Pump 276' C1A cement plug from **1520'-1244' (Coal)**.
8. TOOH w/ tbgs to 1244'. Pump 6% bentonite gel from 1244'-949'.
9. TOOH w/ tbgs to 949'. Pump 100' C1A cement plug from **949'-849' (Elevation)**.
10. TOOH w/ tbgs to 849'. Pump 6% bentonite gel from 849'-580'.
11. TOOH to 580'. Pump 130' C1A cement plug from **580'-450' (Fresh water)**.
12. TOOH to 450'. Pump 6% bentonite gel from 450'-100'.
13. TOOH w/ tbgs to 100'. Pump 100' C1A cement plug from **100'-0' (Surface)**.
14. Erect monument with API#, date plugged, and company name.
15. Reclaim location and road to WV-DEP specifications.

All Free pipe is to be pulled!

[Signature]
12-28-20

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04/02/2021

4703502834

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API # 4703502834

Farm Name Adkins, Sinda M. Well Number 511185
Location Elevation 949 Quadrangle KENTUCK
District Washington County Jackson, WV
Latitude 10170 FSL 38.00 45.00 Second 0.00
Longitude 6820 FWL 81.00 32.00 30.00

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JAN 29 2008
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Company Equitable Production Company Casing & Used in Left in Cement Fill Up
1710 Pennsylvania Avenue Charleston, WV 25328 Tubing Size Drilling Well Cubic Ft
Agent Todd Tetric 13 3/8 32 32
Inspector Jamie Stevens 9 5/8 738 738 496.60
Permit issued 10/25/2007 7 1,691 1,691 439.47

Well Work Commenced 12/04/2007
Well Work Completed 12/13/2007
Verbal Plugging
Permission granted or
Rotary Rig Cable Rig

Total Depth 1,735

Water Encountered

Well runs on natural

Type From
Fresh water damp @ 500'
Fresh water damp @ 530'
Salt Water damp @ 1114'

Coal & Open Mines

Type From
Coal 1294'-1296', 1336'-1340'
Coal 1374'-1375', 1470'-1476'

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Open Flow Data
Producing Formation Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 1 mscf 12/12/07 Date Oil: Initial Open Flow _____ Bbl/d
Final Open Flow 301 MCF 01/09/2008 Date Final Open Flow _____
Time of open flow between initial and final tests _____ hours
Static Rock Pressure 444 after _____ hours

Second Producing Formation Pay Zone Depth (ft) _____
Gas: Initial Open Flow _____ MCF _____ Date Oil: Initial Open Flow _____ Bbl/d
Final Open Flow _____ MCF _____ Date Final Open Flow _____
Time of open flow between initial and final tests _____ hours
Static Rock 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, a systematic detailed geological record of all formations including coal encountered in the well bore

For Equitable Production Company
By [Signature]
Date 1/25/08

04/02/2021

Well Number 511185

**Equitable Production Company
WR-35 Completion Report - Attachment
Well Treatment Summary**

4703502834P
API # 4703502834

Stage 1	
Date	
Frac Typ	
Zone	
# of Perfs	
From/To	
BD Press	
ATP Psi	
Avg Rate	
Max Press Psi	
ISIP Psi	
10min SIP	5 min.
Frac Gradient	
Sand Proppant	
Water-bbl	
SCF N2	
Acid-gal	gal

Formation Name	Depth To	Depth Bottom	Formation Thick
Kelly Bushing	0.00	3	3.00
Sand & Shale	3.00	230	227.00
Red Rock	230.00	245	15.00
Shale	245.00	260	15.00
Red Rock	260.00	273	13.00
Shale	273.00	350	77.00
Sand & Shale	350.00	612	262.00
Shale	612.00	755	143.00
Sand	755.00	894	139.00
Red Rock	894.00	954	60.00
Sand & Shale	954.00	1,119	165.00
Sand	1,119.00	1,129	10.00
Sand & Shale	1,129.00	1,224	95.00
Shale	1,224.00	1,244	20.00
Sand & Shale	1,244.00	1,284	40.00
Sand	1,284.00	1,294	10.00
Coal	1,294.00	1,296	2.00
Sand & Shale	1,296.00	1,336	40.00
Coal	1,336.00	1,340	4.00
Sand & Shale	1,340.00	1,374	34.00
Coal	1,374.00	1,375	1.00
Sand & Shale	1,375.00	1,436	61.00
Sand	1,436.00	1,470	34.00
Coal	1,470.00	1,476	6.00
Sand & Shale	1,476.00	1,706	230.00
Salt Sand	1,706.00	1,709	3.00
Salt Sand	1,709.00	1,967	258.00
Big Lime	1,967.00	2,067	100.00
Big Injun	2,067.00	2,125	58.00
Weir	2,343.00	2,335	0.00
Sunbury	2,523.00	2,534	11.00
Berea	2,534.00	2,543	9.00

Gas Tests

Depth	Remarks
1,104	odor
1,119	odor
1,710	odor
1,722	917mcf
1,735	901mcf
1,736	1mmcf

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Division

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WV Department of
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1) Date: 12/18/2020
2) Operator's Well Number
PERKINS ELIZABETH HRS 358 511185

3) API Well No.: 47 - 035 - 02834

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>Sinda M Adkins</u>	Name _____
Address <u>3736 Spring Fork Road</u>	Address _____
<u>Charleston, WV 25306</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>No Declaration</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name _____
<u>Ripley WV 25271</u>	Address _____
Telephone <u>304-380-7469</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	<u>ALLIANCE PETROLEUM CO., LLC</u>
By:	<u>Jeff Mast</u>
Its:	<u>Director Production</u>
Address	<u>P.O. Box 6070</u>
	<u>Charleston, WV 25362</u>
Telephone	<u>304-543-6988</u>

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WV Department of Environmental Protection

Subscribed and sworn before me this 21st day of December, 2020
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2023

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 depprivacyofficer@wv.gov.

4703502834P
 Well Number: 511185
 API: 47-035-02834

7017 1450 0002 3854 0818

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®	
Charleston, WV 25306	
OFFICIAL USE	
Certified Mail Fee	\$3.55
\$	\$2.85
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$1.40
\$	\$7.80
Total Postage and Fees	\$7.80
\$	\$
Sent To	Sinda Adkins
Street and Apt. No., or PO Box No.	3736 Spring Fork Rd
City, State, ZIP+4®	Charleston WV 25306
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

0523
 03
 Postmark
 Here
 12/21/2020
 511185

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

Operator Name ALLIANCE PETROLEUM CO., LLC OP Code 494506333

Watershed (HUC 10) Pocatalico River Quadrangle Kentuck

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: Produced fluid and cement returns

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

Proposed Disposal Method For Treated Pit Wastes: ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS BEFORE DISPOSING OFF-SITE.

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 2D0190460)
- 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: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? N/A

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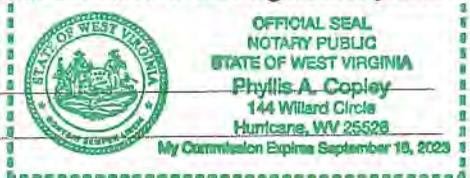
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Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall 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) Jeff Mast
Company Official Title Director Production



Subscribed and sworn before me this 21st day of December, 2020

Phyllis A. Copley Notary Public

My commission expires September 16, 2023

[Signature]

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 _____ lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Red Fescue 40

Red Fescue 15

Alsike 5

Alsike 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.

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Plan Approved by: _____

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Comments: Sediment control in place at all time

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Title: OOE Inspector

Date: [Signature]

Field Reviewed? (X) Yes

() No



Diversified Gas & Oil Corporation
100 Diversified Way
Pikeville KY, 41051

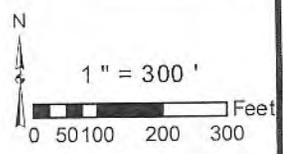
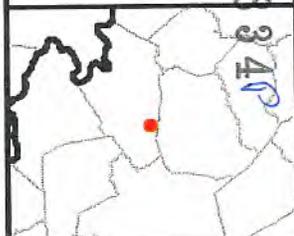
511185

Plugging Map

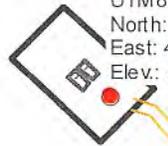
Legend

- Well
- Sediment Control
- Access Road
- Pits
- Pad
- Public Roads

4703502834



Well No.: 511185
UTM83-17 Meters
North: 450840.94
East: 4286084.32
Elev.: 287.48



Handwritten signature and date: [Signature] 12-28-20

STONE LICK RD

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



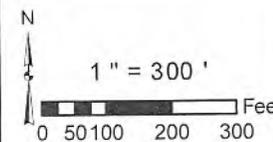
Diversified Gas & Oil Corporation
 100 Diversified Way
 Pikeville KY, 41051

511185

Plugging Map

Legend

- Well
- ⊗ Sediment Control
- Access Road
- Pits
- Pad
- Public Roads



Well No.: 511185
 UTM83-17 Meters
 North: 450840.94
 East: 4286084.32
 Elev.: 287.48



STONE LICK RD

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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input coordinates

enter comma delimited coordinates. examples:
 38 15 30.1, -81 25 15.2 (lat, lon as degrees minutes seconds)
 38.123456, -81.123456 (lat, lon as decimal degrees)
 500000, 4100000 (UTM as easting, northing)
 1987654.32, 364123.45 (WV state plane as easting, northing)

38.722041602,-81.5652141143

Lat/Lon WGS 1984

Convert

output coordinates

450866.34,4286082.73

UTM NAD83 Zone 17N

view on Google Maps

options

- display output as degrees/minutes/seconds
- zoom to point

history (copy/paste)

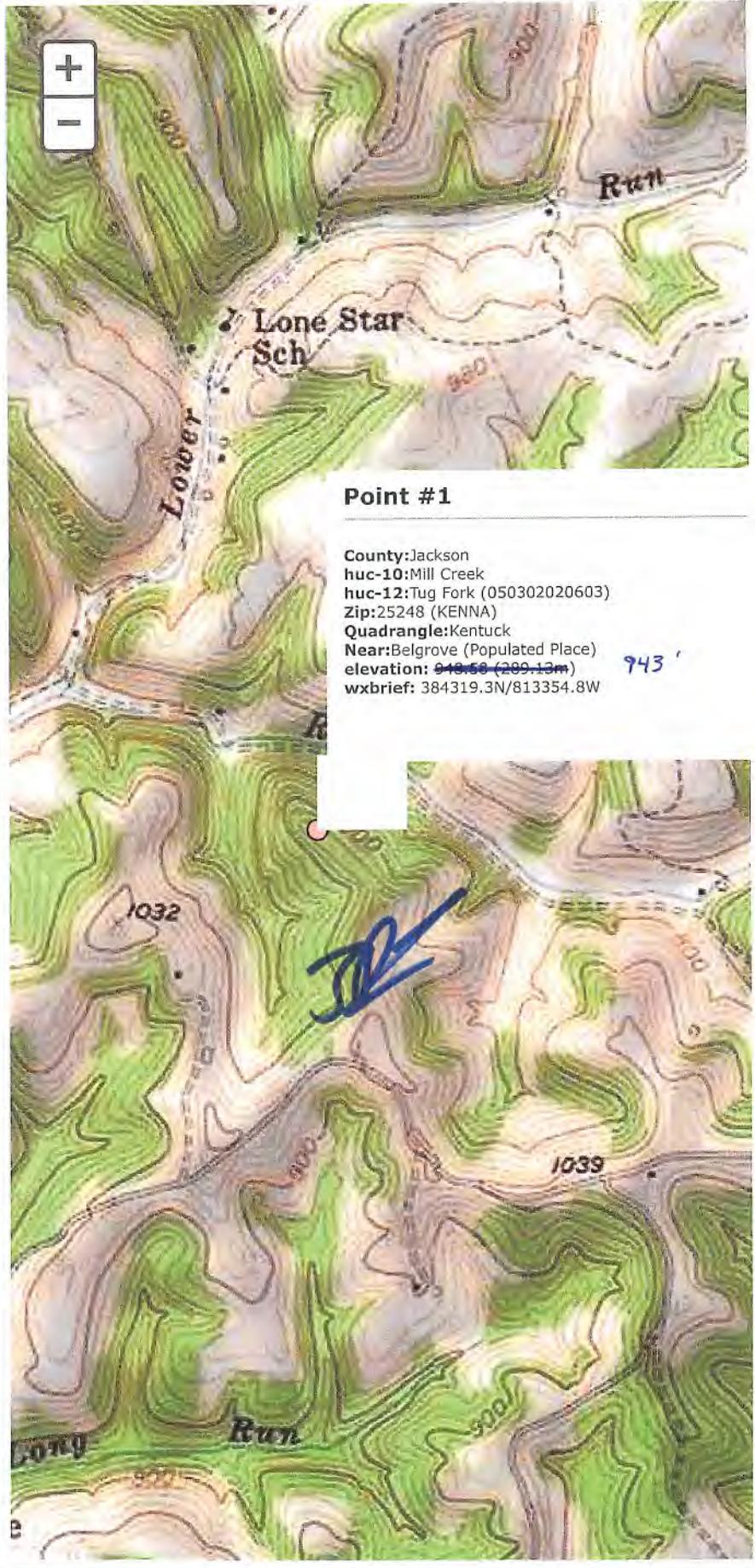
1,38.7220416,-81.5652141,LL
 WGS84(G1674),450866.34,4286082.73 UTM17N
 NAD83(2011)

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notes about datum conversions

1. *Conversions between NAD27 and NAD83.* This converts between NAD27 and NAD83(1986) using the NADCON transformation. Newer realizations of NAD83, such as NAD83(CORS96) and NAD83(2011) can differ from NAD83(1986) by a meter or so. This conversion uses the Esri transformation NAD_1927_To_NAD_1983_NADCON.

2. *Conversions between NAD27 and WGS84.* Basically this just applies the NADCON transformation from NAD27 to NAD83(1986). NAD83(1986) is the original realization of NAD83, which is practically identical to the original WGS84. The difference between the



Point #1

County:Jackson
 huc-10:Mill Creek
 huc-12:Tug Fork (050302020603)
 Zip:25248 (KENNA)
 Quadrangle:Kentuck
 Near:Belgrove (Populated Place)
 elevation: ~~940.59~~ (299.13m) 943'
 wxbrief: 384319.3N/813354.8W

clear markers

street map image topo

