



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

June 12, 2015

WELL WORK PERMIT
Fracture

Correct API is
47-099-02270

This permit, API Well Number: 47-9902277, issued to ADKINS, TEDDY, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: MUSICK 4
Farm Name: STEWART, BILLY G.

API Well Number: 47-9902277

Permit Type: Fracture

Date Issued: 06/12/2015

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

JUN 09 2015

WW - 2B
(Rev. 8/10)

WV Department of

99-2277F

STATE OF WEST VIRGINIA Environmental Protection
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: TEDDY ADKINS 494457566 WAYNE BUTLER PRICHARD
Operator ID County District Quadrangle

2) Operator's Well Number: MUSICK #4 3) Elevation: 964

4) Well Type: (a) Oil or Gas _____
(b) If Gas: Production _____ / Underground Storage _____
Deep _____ / Shallow _____

5) Proposed Target Formation(s): BEREA SANDS Proposed Target Depth: 2222

6) Proposed Total Depth: 2500 Feet Formation at Proposed Total Depth: Slate & Shells

7) Approximate fresh water strata depths: 260

8) Approximate salt water depths: 1260

9) Approximate coal seam depths: none

10) Approximate void depths, (coal, Karst, other): none

11) Does land contain coal seams tributary to active mine? no

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Refrac - Fraced 11/16/12 with no results. Believe "frac" went out bottom holes. Solid Plug now set at 2212

Foam frac using 500 gal. acid; 25,000 lbs. 20/40 sand; 29,900 SCF Nitrogen; 233 bbl. water

Perforations 2207 - 2211

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	
Conductor						
Fresh Water	10-3/4"	J	32	362'	362'	234 cu. ft.
Coal						
Intermediate	7"	N-80	23	1460'	1460'	225 cu. ft.
Production	4-1/2"	J	11.6	2383'	2383'	105 cu. ft.
Tubing						
Liners						

Packers: Kind: _____
Sizes: _____
Depths Set _____

WR-35
Rev (9-11)

COPY

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 7/2/2013
API #: 47-099-02270 F

Farm name: Billy Stewart Operator Well No.: Musick #4

LOCATION: Elevation: 982' Quadrangle: Prichard 7.5

District: Butler County: Wayne
Latitude: 5400 Feet South of 38 Deg. 10 Min. 00 Sec.
Longitude 3150 Feet West of 82 Deg. 30 Min. 00 Sec.

Company: Teddy Adkins

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
14485 S Calhoun Hwy Arnoldsburg, WV 25234	10-3/4"	362'	362'	234 sks
Agent: <u>Teddy Adkins</u>	7"	1460'	1460'	225 sks
Inspector: <u>Ralph Triplett</u>	4-1/2"	2383'	2383'	105 sks
Date Permit Issued: <u>9/27/12</u>				
Date Well Work Commenced: <u>10/14/2012</u>				
Date Well Work Completed: <u>10/19/12</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>2425'</u>				
Total Measured Depth (ft): <u>2425'</u>				
Fresh Water Depth (ft.): <u>260'</u>				
Salt Water Depth (ft.): <u>1260'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				
Void(s) encountered (N/Y) Depth(s) <u>NONE</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Berea Pay zone depth (ft) 2207 -2295

Gas: Initial open flow show MCF/d Oil: Initial open flow 2 Bbl/d

Final open flow show MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 18 Hours

Static rock Pressure 0 psig (surface pressure) after 48 Hours

NO RESULT FROM FRAC - WILL REFRAC

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

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments 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.

Signature

8/6/13
Date

06/12/2015

99-2277F

Musick #4

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Gamma Ray/Neutron/Density/Induction/Temperature/PE

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or-Stimulating:

Perforations: 2207 - 2211 8 holes; 2218 1 hole; 2222 1 hole; 2291 1 hole; 2295 1 hole

FOAM FRAC USING 500 GAL ACID; 25,000 LBS. 20/40 SAND; 29,900 SCF NITROGEN; 233 BBL. WATER

Formations Encountered:	Top Depth	Bottom Depth
Surface	0	12
Sand	12	47
Slate	47	74
Sand	74	114
Slate	114	147
Sand	147	190
Slate	190	240
Sand	240	345
Slate	345	422
Sand	422	544
Slate	544	560
Sand	560	612
Slate	612	682
Sand	682	707
Slate	707	824
Sand	824	945
Slate	945	955
Salt Sand	955	1260
Slate	1260	1277
Sand	1277	1440
Little Lime	1440	1470
Pencil Cave	1470	1473
Big Lime	1473	1504
Big Injun Sand	1504	1537
Stray Sand	1537	1695
Shell	1695	1711
Shell (Hard)	1711	1743
Slate	1743	1822
Slate & Shells	1822	2106
Coffee Shale	2106	2127
Berea Sand	2127	2133
Slate and Shells	2133	2148
Shell	2148	2162
Sand & Shale	2162	2425
TD		2425

Run 362' 10-3/4" Cement back to surface

Water 1270' Hole Full

Run 1460' 7" - Cement back to surface

Show Oil Run 4-1/2" 2383' cement back to 1250'

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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Wayne
Operator Teddy Adkins

Operator's Well Number Musick #4

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature

Date _____

Company
Name _____
By _____
Its _____

Date

Signature

Date

No COAL

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**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
S. E. & Esther Musick	Owens-Illinois Glass Co	1/8	42/317
Owens-Illinois Glass Co.	Webster Myers	1/8	Not Recorded
Webster Myers	Teddy Adkins, Franklin Adkins, et. al	1/8	10/158
Franklin Adkins, et al	Teddy Adkins	1/8	

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

Teddy Adkins

Owner

1.) Date: May 1, 2015
2.) Operator's Well Number MUSICK #4
State County Permit
3.) API Well No.: 47- 099 - 02277 F
2277F

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served: Winner
(a) Name Billy Stewart Name None
Address Rt. 1, Box 545 Address _____
Ft. Gav. WV 25514
(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name None
Address _____
(c) Name _____ Name _____
Address _____ Address _____
6) Inspector Jeremy James (c) Coal Lessee with Declaration
Address P. O. Box 147 Name _____
Ona. WV 25545 Address _____
Telephone 304-951-2596

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

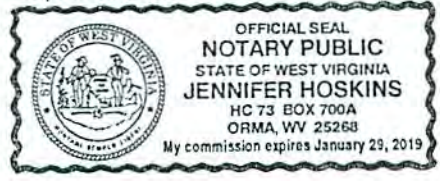
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.



Well Operator: Teddy Adkins
By: Teddy Adkins
Its: Owner
Address: 14485 S. Calhoun Hwy
Arnoldsburg, WV 25234
Telephone: 304-927-5070 or 304-377-1114 (cell)
Email: eileenhinesadkins@yahoo.com

Subscribed and sworn before me this 3rd day of June, 2015

Jennifer Hoskins Notary Public
My Commission Expires January 29, 2019

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

06/12/2015

Affidavit of Personal Service

99-2277F

State Of WEST VIRGINIA

County Of ROANE

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) X / WW-3(A) / WW-4(A) / WW-5(A) / WW-6(A)
- (2) Application on Form WW-2(B) X / WW-3(B) / WW-4(B) / WW-5(B) / WW-6(B)
- (3) Plat showing the well location on Form WW-6, and
- (4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. MJSICK #4 located in BUTLER District, WAYNE County, West Virginia, upon the person or organization named--

BILLY STEWART

--by delivering the same in WAYNE County, State of WEST VIRGINIA on the 4TH day of JUNE, 2015 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him X / her / or, because he / she / refused to take it when offered it, by leaving it in his / her / presence.

Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to , a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named , or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

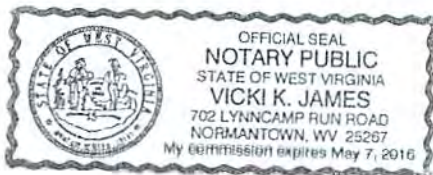
Handing it to the corporation's employee / officer / director / attorney in fact / named

Teddy Adkins
(Signature of person executing service)

Taken, subscribed and sworn before me this 8th day of June 2015.
My commission expires May 7, 2016

Vicki K. Jones
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



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WV Department of
Environmental Protection
06/12/2015

JUN 09 2015

99-2277F

WW-2A Surface Waiver

SURFACE OWNER WAIVER

WV Department of Environmental Protection

County Wayne

Operator

Teddy Adkins

Operator well number

Musick #4

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure a adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Bill Stewart
Signature

Date 6/4/15

Company Name _____
By _____
Its _____

BILL STEWART
Print Name

Date

Signature

Date

06/12/2015

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WW-9
(2/15)

JUN 09 2015

API Number 47 - 099 - 2277F
Operator's Well No., Musick #4

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
WV Department of Environmental Protection
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Teddy Adkins OP Code 49457566

Watershed (HUC 10) Greenbrier Creek Quadrangle Prichard

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: Freshwater

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 6 Mil

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- 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: N/A

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

-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) Dirt

-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 August 1, 2005, 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.

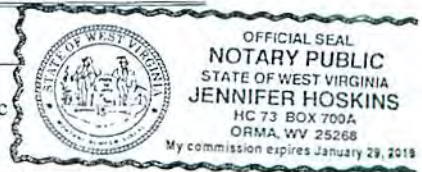
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 Teddy Adkins
Company Official (Typed Name) Teddy Adkins
Company Official Title Owner

Subscribed and sworn before me this 3rd day of June, 20 15

Jennifer Hoskins Notary Public

My commission expires January 29, 2019



06/12/2015

Teddy Adkins

Proposed Revegetation Treatment: Acres Disturbed 1.5 Prevegetation pH 5.5

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay 2 Tons/acre

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Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Orchard Grass	25
Red Top Clover	15
Ladino Clover	5
Ky 31	40

Seed Type	lbs/acre
Orchard Grass	25
Red Top Clover	15
Ladino Clover	5
Ky 31	40

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Attached

Plan Approved by: 

Comments:

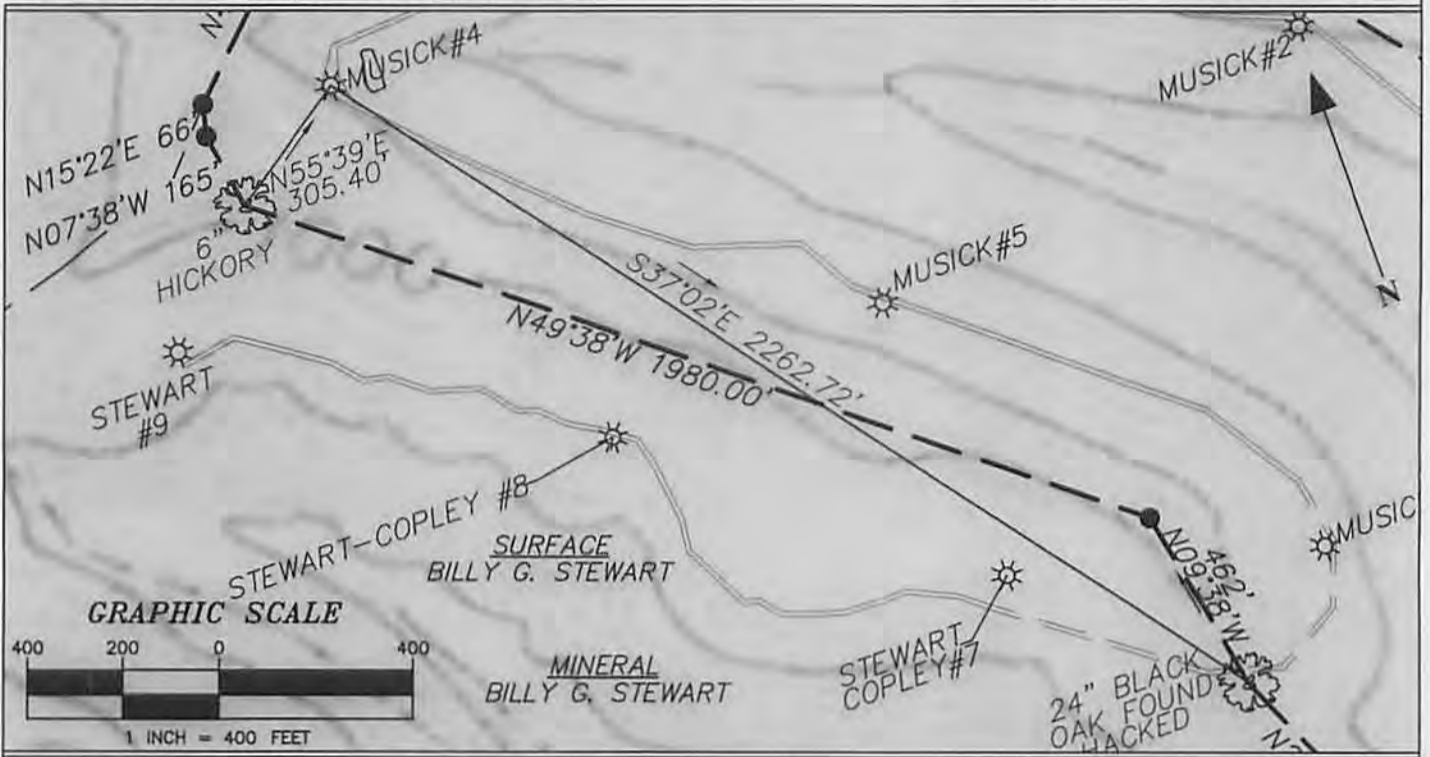
Title: inspector OOG

Date: 6-3-15

Field Reviewed?

Yes

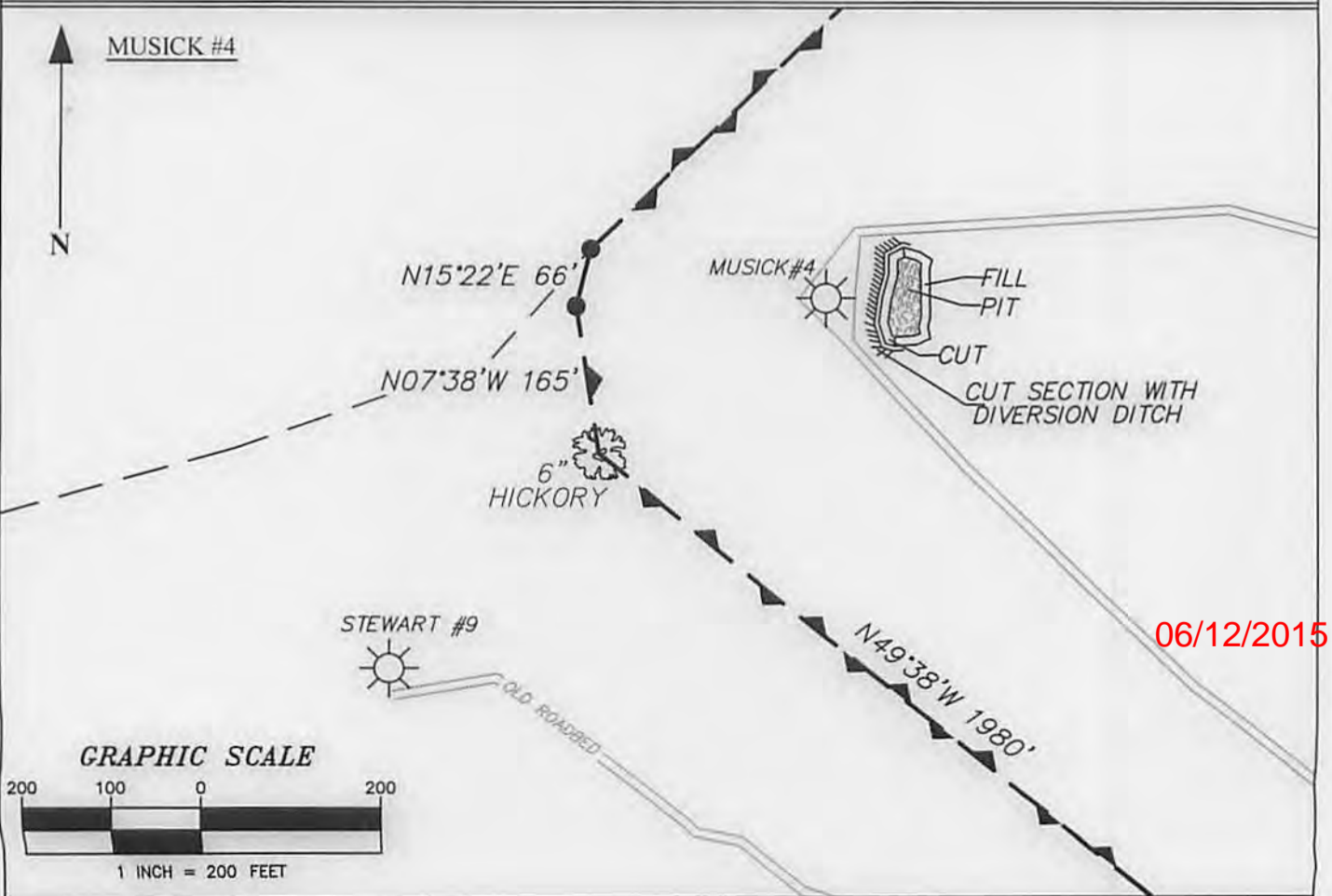
No

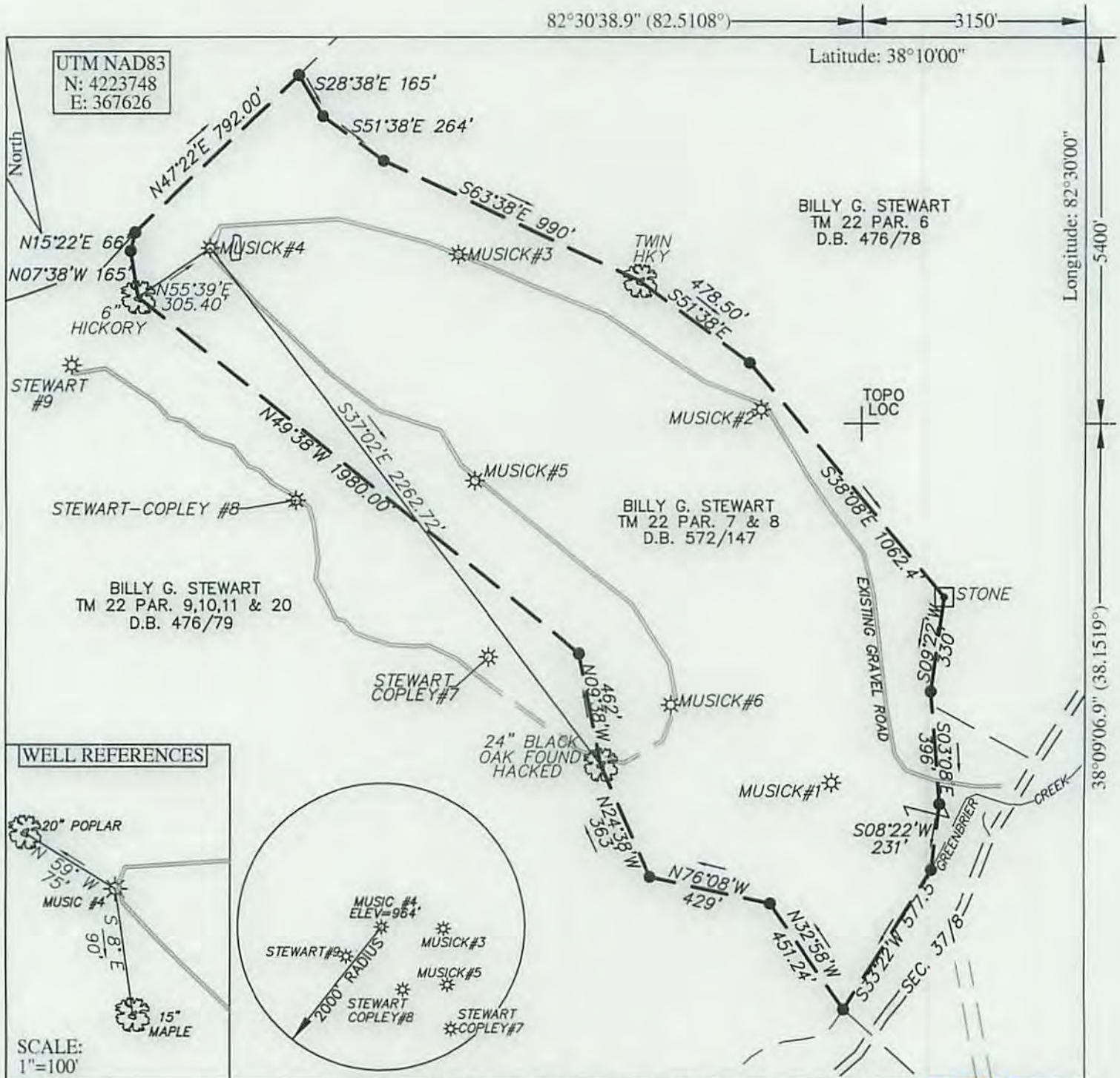


LEGEND

Property Boundary		Diversion	
Road		Spring	
Existing Fence		Wet Spot	
Planned Fence		Drain Pipe with size in inches	
Stream		Waterway	
Open Ditch		Cross Drain	
Rock		Artificial Filter Strip	
North		Pit cut walls	
Buildings		Pit compacted fill walls	
Water Wells		Area for Land Application of Pit Waste	
Drill Site			

Drawing(s) of road, location, pit and proposed area for land application





FILE # 15-025
DRAWING # MUSICK #4
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1 / 200
PROVEN SOURCE OF ELEVATION SUBMETER GPS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: Brian W. Lawrence
BRIAN W. LAWRENCE

R.P.E.: _____ L.L.S.: 2056



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: APRIL 24TH 2015
OPERATORS WELL #: MUSICK #4
API WELL # 47 099 02277 F
STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED GREENBRIER CREEK ELEVATION: 964
COUNTY/DISTRICT WAYNE / BUTLER QUADRANGLE: PRICHARD 7.5'
SURFACE OWNER BILLY G. STEWART ACREAGE 80
OIL & GAS ROYALTY OWNER: BILLY G. STEWART ACREAGE 80

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: BEREA ESTIMATED DEPTH: 2500'

WELL OPERATOR TEDDY ADKINS DESIGNATED AGENT TED ADKINS
Address 14485 S. CALHOUN HIGHWAY Address 14485 S. CALHOUN HIGHWAY
City ARNOLDSBURG State WV Zip Code 25234 City ARNOLDSBURG State WV Zip Code 25234

06/12/2015

I

Operator: ADKINS, TEDDY
 API: 9902277
 WELL No: MUSICK 4
 Reviewed by: GCS Date: 6/10/15
 15 Day End of Comment: 06/24/15

CHECKLIST FOR FILING A PERMIT

Fracture

ck # 707
\$650⁰⁰

- WW-2B
- Inspector signature on WW-2B
- Completion / Well Records of Previous Work WR-35 ✓
- WW-2A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee / Operator Waiver
- WW-2A-1 (Signed) Showing Book/Page Number and Royalty Percentage
- WW-9 (Page 1 & 2) (Notarized)
- More than 5,000 bbls
- Inspector Signature on WW-9
- Reclamation plan
- Topographic Map of location of well
- OK Mylar Plat (Signed Sealed) (Surface owner on plat matches WW-2A)
- OK Bond
- X Company is Registered with the SOS
- OK Worker's Compensation / Unemployment Insurance account is OK
- \$650.00 check (\$550.00 if no pit)
- Mine Data
- Addendum
- Professional Engineer/Company has COA

Drilled well with same leases.

adkins energy, inc.