



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

October 02, 2013

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-1706367, issued to BERRY ENERGY, INC., 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: B-858
Farm Name: SHIELDS, RYAN C. & LISA
API Well Number: 47-1706367
Permit Type: Vertical Well
Date Issued: 10/02/2013

Promoting a healthy environment.

10/04/2013

1706367
Check # 2945
1,300.00

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

1) Well Operator: Berry Energy, Inc. 306005 Doddridge Cove Oxford 7 1/2
Operator ID County District Quadrangle

2) Operator's Well Number: B-858 3) Elevation: 1128'

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

5) Proposed Target Formation(s): Gordon Sand Proposed Target Depth: 2800'

6) Proposed Total Depth: 3000' Feet Formation at Proposed Total Depth: _____

7) Approximate fresh water strata depths: 134'

8) Approximate salt water depths: None

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)

Drill and Stimulate new well. Open hole frac.

*DCN
8-27-2013*

13) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13"		37#	30'		
Fresh Water	9 5/8"	API	26#	200'		To Surface
Coal						
Intermediate						
Production	7"	API	17#	1200'		To Surface
Tubing	<u>2 7/8"</u>			2800'	0'	
Liners	<u>4 1/2"</u>					

Received

Packers: Kind: Open hole packer

Sizes: 6 1/2

Depths Set various

SEP 3 2013

Berry Energy's Open Hole Frac Procedure

An open hole correlation log will be ran once drilling is completed. The exact formations to be completed will not be determined until the open hole log is ran. Formations will likely be the Big Injun, Weir, and Gordon. Each zone will be double notched with a sand jet perforation tool attached to the 1 1/2" tubing.

Once the 1 1/2" tubing is pulled, ^{4 1/2"}~~2 7/8"~~ will be used to pump pea gravel into the hole. The pea gravel will be placed below the upper most formation, Big Injun, and a packer will be set above the upper most formation. This will isolate that formation to then be fraced. Next we will release the packer and wash the frack string down to next formation, circulating pea gravel out of hole to the bottom of the next zone to be completed. We will then again set the packer above the second zone (Weir) isolating the top zone which has been frac. After fracking second zone we will precede with washing frac sting down to bottom zone (Gordon), again circulating the peas gravel out of hole and exposing bottom zone. Reset packer and frac Gordon.

The well will be flowed back and swabbed. 2 3/8" tubing and rods will be ran with pump jack.

Received

SEP - 3 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

10/04/2013

1706367

WW-2A
(Rev. 6-07)

1). Date: June 27, 2013
2.) Operator's Well Number B-858
State 47- County 017 Permit 06367
3.) API Well No.:

**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: WW
(a) Name Ryan C. Shields and Lisa L.A. Shields
Address 1590 Grove Summers Road
New Milton, WV 26411
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Douglas Newlon
Address 4060 Dutchman Road
Macfarlan, WV 26148
Telephone 304-932-8049
5) (a) Coal Operator
Name _____
Address _____
(b) Coal Owner(s) with Declaration WW
Name Ryan C. Shields and Lisa L.A. Shields
Address 1590 Grove Summers Road
New Milton, WV 26411
(c) Coal Lessee with Declaration
Name _____
Address _____

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:

- x 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 Berry Energy, Inc.
By: Diana B. Berry
Its: President
Address 310 Stiles Street
Clarksburg, WV 26302
Telephone 304-622-3450

Subscribed and sworn before me this 19th day of August 2013

Wayne W. Hamlin Notary Public

My Commission Expires 10-10-2016

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



10/04/2013

1706367

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Doddridge

Operator Berry Energy, Inc

Operator well number B-858

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.


Signature

Date 6/3/13

Company Name _____
By _____
Its _____

RYAN C. SHIELDS

Print Name

Received

SEP - 3 2013

Signature _____ Date _____

Office of Oil and Gas
WV Dept. of Environmental Protection
10/04/2013

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Doddridge

Operator Berry Energy, Inc
Operator well number B-858

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Department of Environmental Protection
601 57th St. SE
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(304) 926-0450

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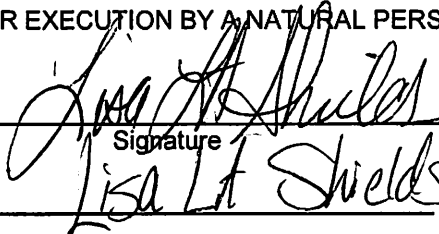
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I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.



 Signature
 Date 6/3/13
 Company Name _____
 By _____
 Its _____

 Print Name

Received

 SEP - 3 2013

 Signature _____ Date _____

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Doddridge
Operator Berry Energy, Inc.

Operator's Well Number B-858

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

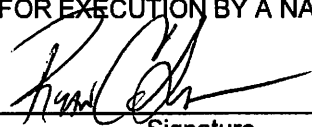
To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the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


Signature
Date 6/3/13

FOR EXECUTION BY A CORPORATION, ETC.

Company Name _____
By _____
Its _____
Date _____
Signature _____ Date _____

Received

SEP - 3 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

10/04/2013

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Doddridge
Operator Berry Energy, Inc.

Operator's Well Number B-858

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:

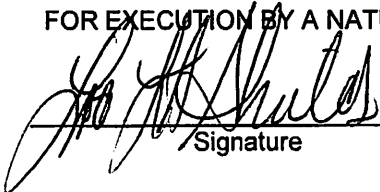
Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____ / owner X / 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 6/3/13

Company Name _____
By _____
Its _____

Signature _____ Date _____

Received

SEP - 3 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

10/04/2013


AFFIDAVIT

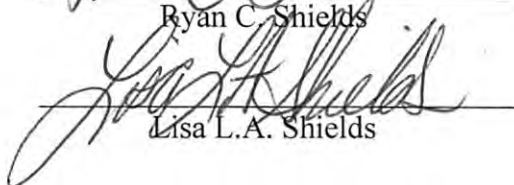
STATE OF WEST VIRGINIA
COUNTY OF DODDRIDGE, TO WIT:

We the undersigned do solemnly swear that we signed both the surface owner waiver and the coal owner waiver.

That this affidavit is made and subscribed at the request of Berry Energy, Inc. for the purpose of permitting proposed well B-858.

WITNESS the following signatures and seals:

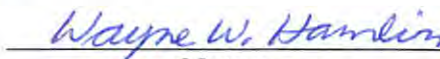


Ryan C. Shields


Lisa L.A. Shields

I, Wayne W. Hamlin, a notary of said state, do certify that Ryan C. Shields and Lisa L.A. Shields, his wife, whose names are signed to the Affidavit, have this day acknowledged the same before me in my said state.

Given under my hand this 3RD day of June, 2013.
My commission expires: 10-10-2016



Notary

SEAL:



Received

SEP - 3 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

10/04/2013

**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
William N. Bode et al	Berry Energy, Inc.	1/8	263/303

**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

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:

David B. Berry

 Berry Energy, Inc.

 President

SEP - 3 2013
 Office of Oil and Gas
 WV Dept. of Environmental Protection

WW-2B1
(5-12)

Well No. B-858

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contractor chosen to collect sample.

Certified Laboratory Name Sturm Environmental Service
Sampling Contractor Berry Energy, Inc.

Well Operator Berry Energy, Inc.
Address 310 Stiles Street
Clarksburg, WV 26302
Telephone 304-622-3450

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

No known water wells or springs within 1000 feet.

Received

SEP - 3 2013

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name Berry Energy, Inc. OP Code 306005

Watershed Cove Creek and Middle Fork Quadrangle Oxford 7 1/2

Elevation 1128' County Doddridge District Cove

Description of anticipated Pit Waste: Drilling Fluids, Stimulation Fluids, Brine

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

Will a synthetic liner be used in the pit? Yes _____ If so, what mil.? 20 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 _____)

DCW
8-27-2013

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used? None

Will closed loop system be used? No

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

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust

-Landfill or offsite name/permit number? _____

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 David B. Berry

Company Official (Typed Name) David Berry

Company Official Title President

Subscribed and sworn before me this 19th day of August, 20 13

Wayne W. Hamlin Notary Public

My commission expires 10-10-2016



LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 2.5 Prevegetation pH _____
 Lime As determined by pH test _____ Tons/acre or to correct to pH 6.5
 Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)
 Mulch Hay or Straw 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Kentucky Bluegrass	20	Kentucky Bluegrass	20
Redtop	5	Redtop	5
White Clover	2	White Clover	2

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

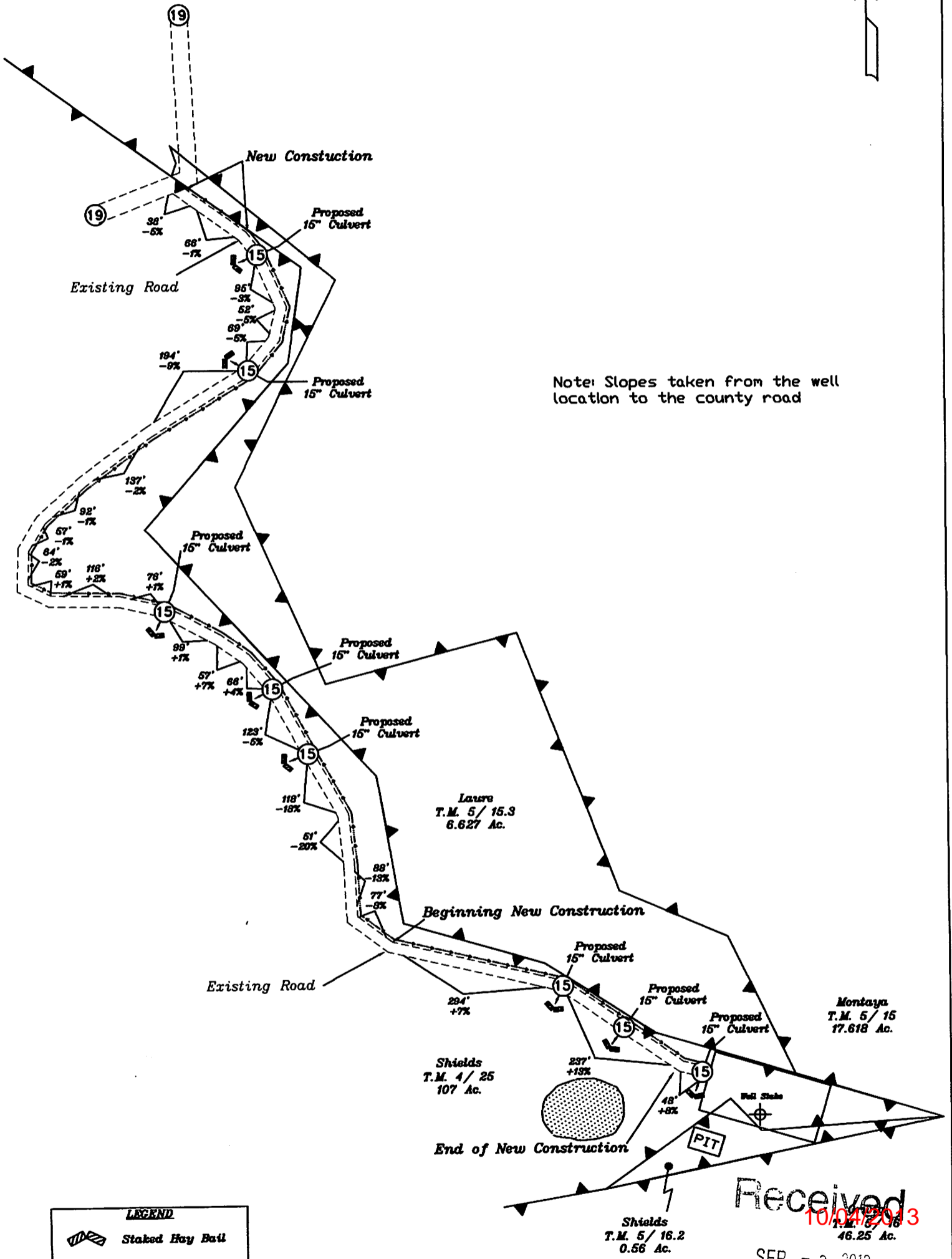
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Douglas Newlan
 Comments: Preserve & Mulch install R&S to WV Dep regulations

Title: O&G Gas Inspector Date: 8-27-2013
 Field Reviewed? Yes No

Received

SEP - 3 2013



LEGEND
 Staked Hay Ball

The drainage ditch lines will be cut as shown for adequate erosion control. Topsoil will be stockpiled for use in reclamation and revegetation. Culverts will be added as needed after construction. Sediment control will be added prior to construction phase. Pit will contain less than 5000 barrels. The bottom will be 60'x20' with 2:1 slopes and will not exceed 9' of depth with 2' of freeboard.

Received 10/04/2013
 SEP - 3 2013
 0 100 200 400
 SCALE: 1" = 200'
 Environmental Protection

Berry Energy Inc.
 Location B-858
 April 24, 2013
 Sheet 1 of 1

Page of
Well: B-858
Quad: Oxford 7-1/2'



Berry Energy B-858

Oxford 7-1/2'

New Milton 7-1/2'

Auburn 7-1/2'

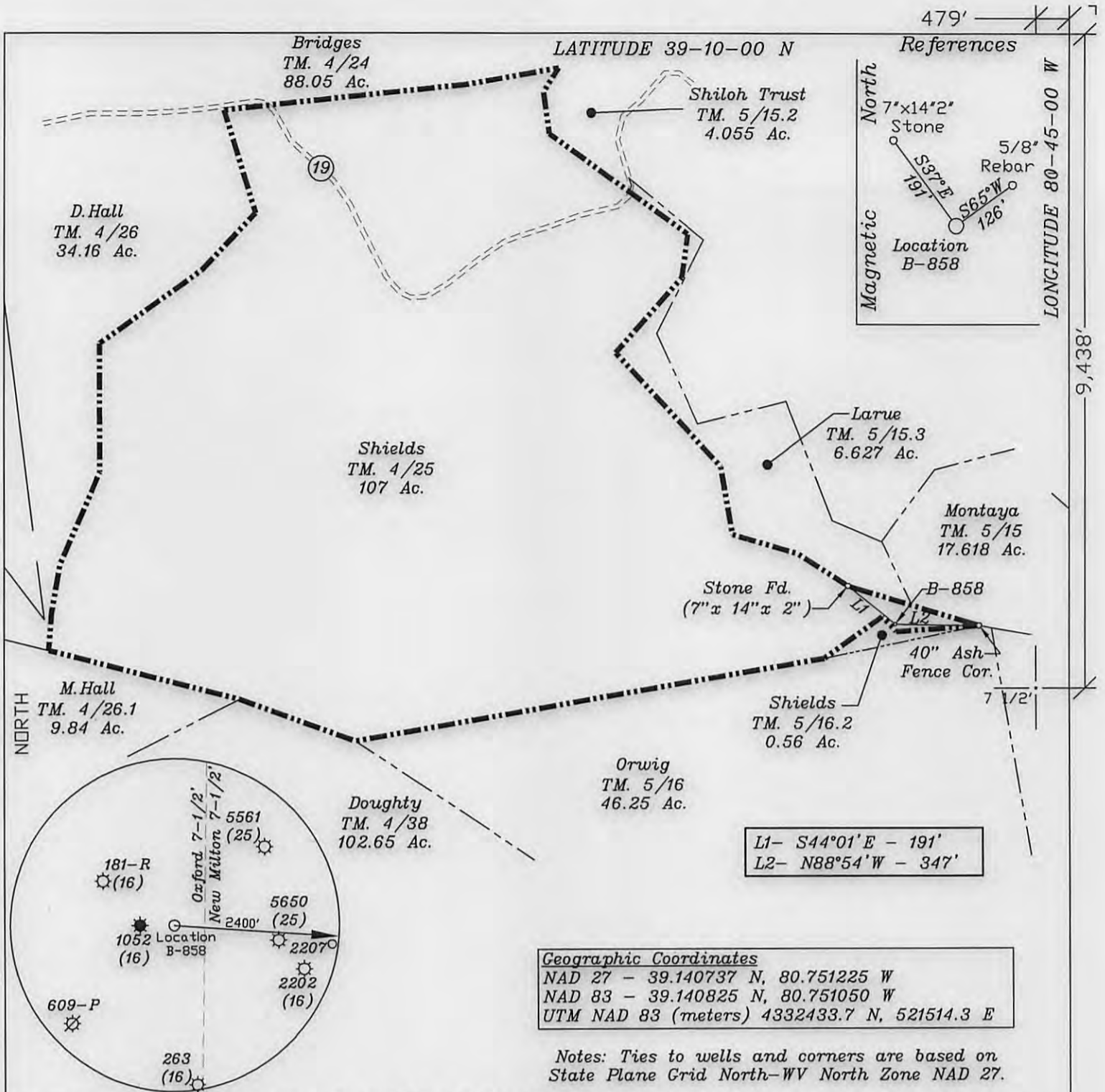
Vadis 7-1/2'

Received

SEP 3 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

10/04/2013



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION GPS
submeter unit

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) David Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE April 25, 2013
 OPERATOR'S WELL NO. B-858
 API WELL NO. _____

WELL TYPE: OIL X GAS X LIQUID INJECTION WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1128' WATER SHED Cove Creek & Middle Fork
 DISTRICT Cove COUNTY Doddridge
 QUADRANGLE Oxford 7 1/2'

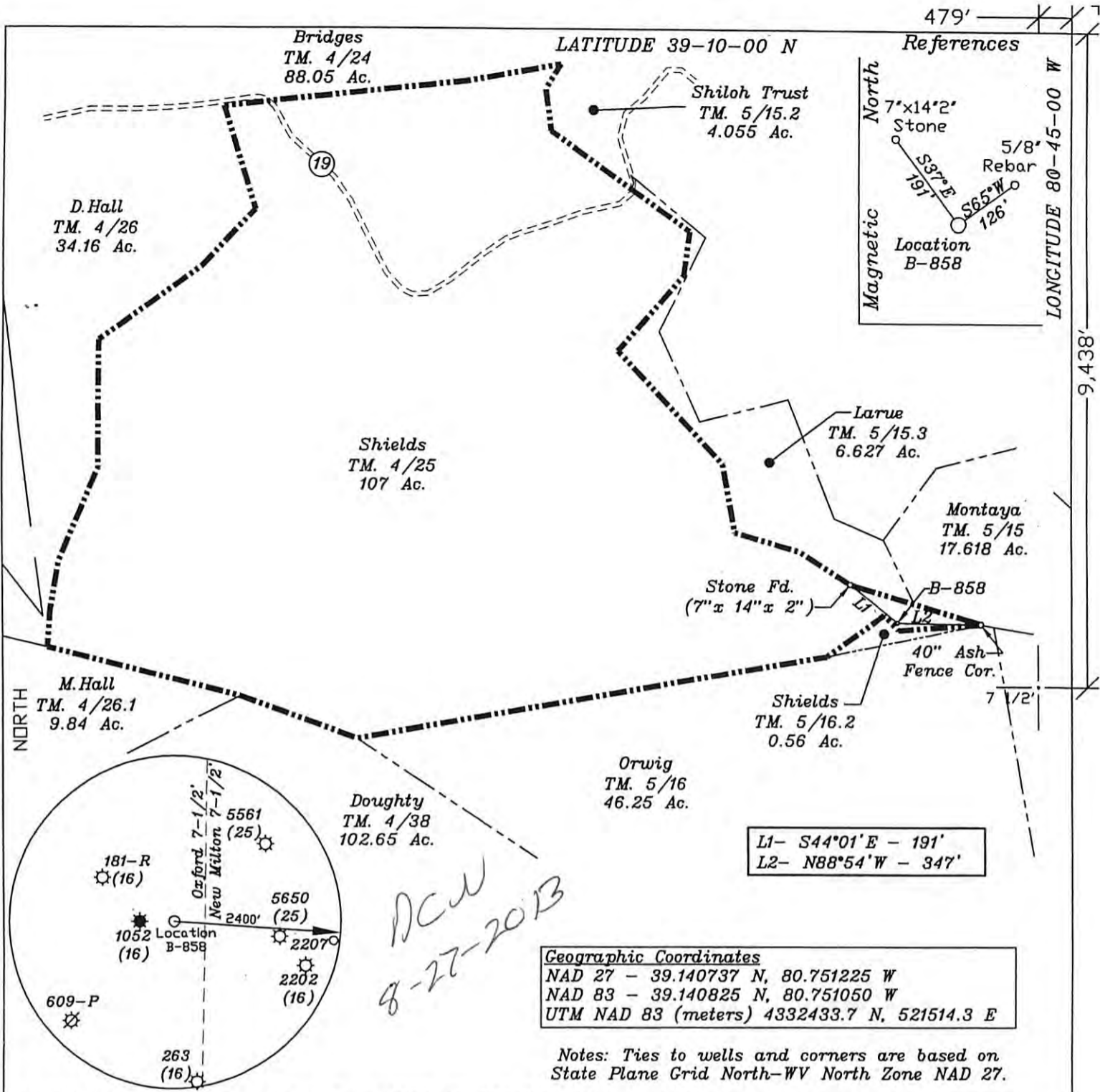
SURFACE OWNER Ryan C. Shields & Lisa Shields ACREAGE 107 Ac.
 OIL & GAS ROYALTY OWNER William N. Bode et al LEASE ACREAGE 107 Ac.
 LEASE NO. Lease Bk 263/303

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Gordon Sand ESTIMATED DEPTH 3,000'

WELL OPERATOR Berry Energy Inc. DESIGNATED AGENT David Berry
 ADDRESS 310 Stiles St. Clarksburg, WV 26301 ADDRESS 310 Stiles St. Clarksburg, WV 26301

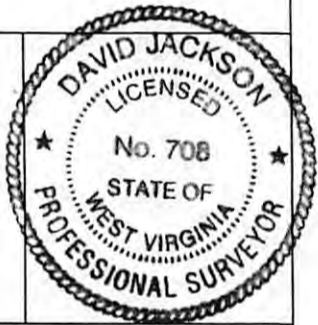
10/04/2013



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION GPS
submeter unit

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) David Jackson
 R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE April 25, 2013
 OPERATOR'S WELL NO. B-858
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL _____ STATE 47 COUNTY 017 PERMIT 06367
 (IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 1128' WATER SHED Cove Creek & Middle Fork
 DISTRICT Cove COUNTY Doddridge
 QUADRANGLE Oxford 7 1/2'

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Office of Oil and Gas
 WV Dept. of Environmental Protection