



**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

March 04, 2014

**WELL WORK PERMIT**

**Horizontal Well**

This permit, API Well Number: 47-6101667, issued to YOST HERITAGE 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: H1  
Farm Name: YOST HERITAGE, INC.  
**API Well Number: 47-6101667**  
**Permit Type: Horizontal Well**  
Date Issued: 03/04/2014

# 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

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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 within 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.

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

61 03 256

1) Well Operator: YOST HERITAGE, INC.      988781704      MONONGALIA      CLAY      BLACKSVILLE  
Operator ID      County      District      Quadrangle

2) Operator's Well Number: H1      3) Elevation: 1,504'

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

5) Proposed Target Formation(s): BENSON      Proposed Target Depth: 5,000'  
 6) Proposed Total Depth: 8,200' Feet      Formation at Proposed Total Depth: BENSON  
 7) Approximate fresh water strata depths: 300'  
 8) Approximate salt water depths: 2,030'

9) Approximate coal seam depths: 1,099'

10) Approximate void depths,(coal, Karst, other): 1,099' COAL MINE

11) Does land contain coal seams tributary to active mine? YES - Federal #2 mine

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

At existing pad for Federal #2 mine, air shaft #11, drill down to Benson, then drill 3,200' horizontally into Benson formation.  
Fracture Benson formation with foam and nitrogen, using less than 5,000 bbls of water

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	16"	J-55	65#	50'	50'	Cement to surface
Fresh Water						
Coal	11 3/4"	J-55	42#	1,140'	1,140'	Cement to surface
Intermediate	8 5/8"	J-55	32#	2,600'	2,600'	Cement to surface
Production	4 1/2"	J-55	11.60#	8,200'	8,200'	<del>Cement to surface</del>
Tubing						CEMENT BACK TO 350' FROM SURFACE.
Liners						

SDW  
2/27/14

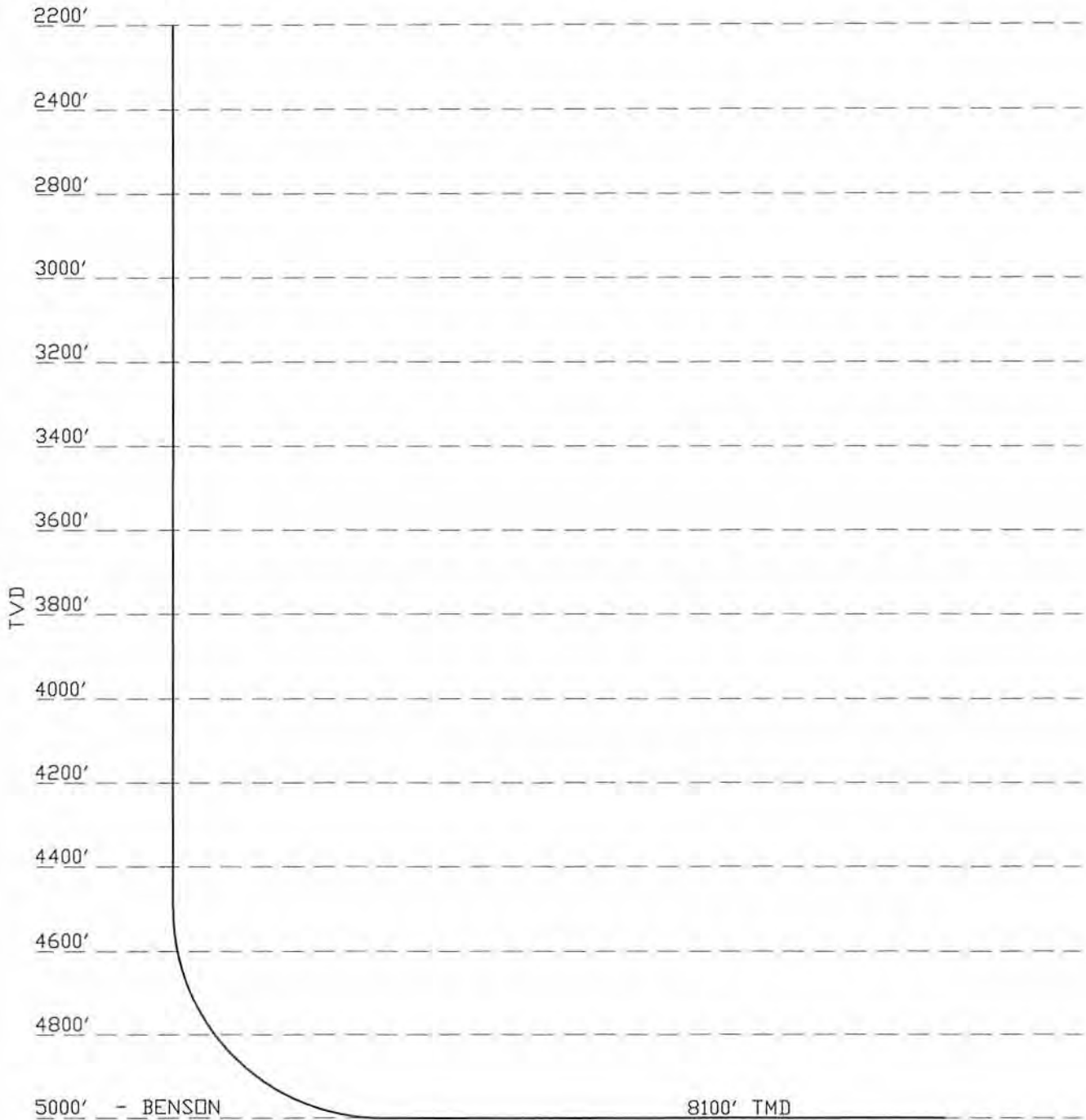
*[Signature]*  
2/27/14

Packers: Kind: \_\_\_\_\_  
 Sizes: \_\_\_\_\_  
 Depths Set \_\_\_\_\_

*[Signature]*  
FOR AND BEHALF OF  
YOST HERITAGE  
JOHN SHOCKLEY  
3/4/2014

6101667A

# WELLBORE GRAPH YOST HERITAGE, INC. WELL NO. H1



NOTE: WELL IS 150' FROM AIR SHAFT  
WHICH WAS PRESSURE GROUTED  
TO PITTSBURG COAL

## Received

FEB 4 2014

WELL BORE GRAPH
YOST HERITAGE, INC. PROPOSED WELL H1
CLAY DISTRICT, MONONGALIA COUNTY BLACKSVILLE QUAD, WV 7.5'
JANUARY 22, 2014
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705
PAGE 1 OF 1

03/07/2014

WW-2A  
(Rev. 6-07)

1.) Date: January 17, 2014  
2.) Operator's Well Number H1  
State 47- County 061 Permit -  
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:  
(a) Name Yost Heritage, Inc.  
Address 2656 Daybrook Rd.  
Fairview WV 26570  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone \_\_\_\_\_

5) (a) Coal Operator  
Name Eastern Associated Coal Corp.  
Address Koppers Bldg.  
Pittsburgh, PA 15219  
(b) Coal Owner(s) with Declaration  
Name Eastern Associated Coal  
Address Koppers Bldg.  
Pittsburgh, PA 15219  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

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

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 Yost Heritage, Inc.  
By Dave Dyest - Dennis S. Yost  
Its CO-PRESIDENTS  
Address 2656 Daybrook Rd.  
Fairview WV 26570  
Telephone 304 449-1101

Subscribed and sworn before me this 21st day of January, 2014

Kelli D. Wilson

Notary Public

My Commission Expires June 17, 2023

**Received**

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](mailto:depprivacyofficer@wv.gov)

FEB 4 2014  
WV Dept. of Environmental Protection  
02/07/2014

SURFACE OWNER WAIVER

County Monongalia

Operator Yost Heritage, Inc.

Operator well number H1

**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 57<sup>th</sup> 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 \_\_\_\_\_

Received

Print Name \_\_\_\_\_ FEB 4 2014

Company Name Yost Heritage, Inc.

By Dad Yost - Dennis S. Yost Date 1/21/14

Its CO-PRESIDENTS

Dad Yost - Dennis S. Yost Date 1/21/14

Signature \_\_\_\_\_ Date \_\_\_\_\_

**WW-2A Coal Waiver**

**COAL OPERATOR, OWNER, OR LESSEE WAIVER**

County Monongalia  
Operator Yost Heritage, Inc. Operator's Well Number H1

**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 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0498 extension 1654

**WAIVER**

The undersigned coal operator X / 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 Eastern Associated Coal, LLC  
By Thomas H. Simpson  
Its Operations Manager Date \_\_\_\_\_  
Thomas H. Simpson 1/27/2014  
Signature Date

**Received**

FEB 4 2014

**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
Yost Heritage, Inc.	Yost Heritage, Inc.	80% of 1/8	1426 / 654
Mabel Correll Cummins	Yost Heritage, Inc.	20% of 1/8	772 / 464

**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

Received

FEB 4 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

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:

Yost Heritage, Inc.  
David D. Yost - Dennis S. Yost  
CO - PRESIDENTS



WW-2B1  
(5-12)

Well No. H1

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 contactor chosen to collect sample.

Certified Laboratory Name H&H Water Control, Inc. 565 Rt. 88 South, Carmichels, PA 15320  
Sampling Contractor \_\_\_\_\_

Well Operator Yost Heritage, Inc.  
Address 2656 Daybrook Rd.  
Fairview WV 26570  
Telephone 304 449-1101

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.

GARY L. SIMPSON  
300 JOE YOST ROAD  
FAIRVIEW WV 26570

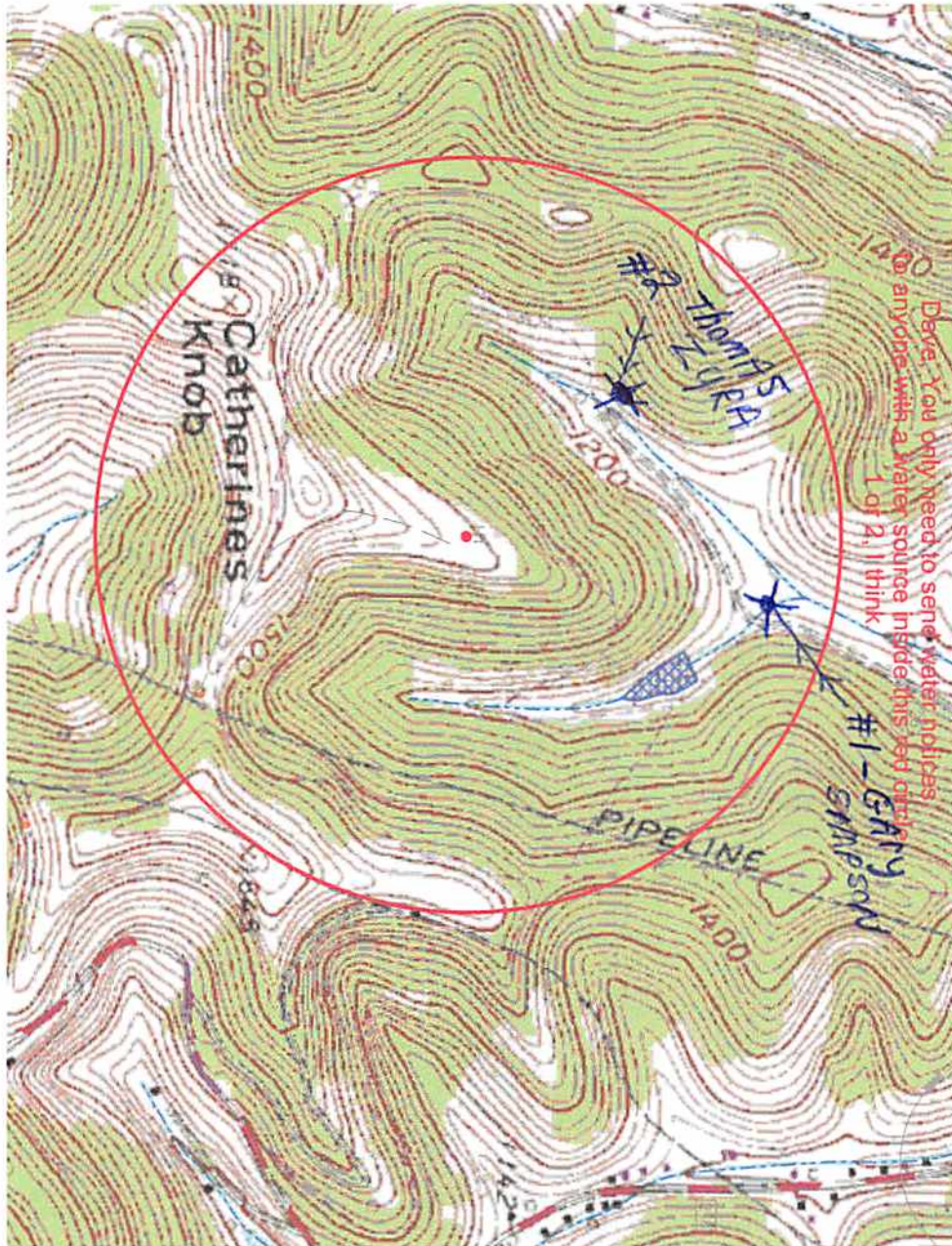
THOMAS ZYRA  
321 PATTERSON LANE  
BELLE VERNON PA 15012-8304

Received

FEB 4 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection  
03/07/2014

these 2 sources HAVE Public Service Water  
IF they HAVE water wells unknown  
EASTERN COAL ASS. Took water sources 4 or 5 years  
Ago-



Received

FEB 4 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

03/07/2014

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - 061 - \_\_\_\_\_  
Operator's Well No. H1 \_\_\_\_\_

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Yost Heritage, Inc. OP Code 988781704

Watershed (HUC 10) Tributary to Days Run Quadrangle Blacksville

Elevation 1,504' County Monongalia District Clay

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

Will a pit be used for drill cuttings? Yes X No \_\_\_\_\_

If so, please describe anticipated pit waste: Drill cuttings

Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ If so, what ml.? 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 \_\_\_\_\_ )

*Handwritten:* 2/27/14 SDW 2/27/14

Will closed loop system be used? No

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

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

Additives to be used in drilling medium? Soap, KCl, or Clay Slay

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) Lime

-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 Dan Dyot - Dennis S Yost

Company Official (Typed Name) Yost Heritage, Inc.

Company Official Title CO - PRESIDENTS

Subscribed and sworn before me this 21st day of January, 20 14

Halle D. Wilson Notary Public

My commission expires June 17, 2023

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

**FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN**

Operator Name Yost Heritage, Inc. OP Code 988781704

Watershed (HUC 10) Tributary to Days Run Quadrangle Blacksville

Elevation 1,504' County Monongalia District Clay

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

Will a pit be used for drill cuttings? Yes X No       

If so, please describe anticipated pit waste: Drill cuttings

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

**RECEIVED  
Office of Oil and Gas**

Will closed loop system be used? No

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

**FEB 18 2014**

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

**WV Department of  
Environmental Protection**

Additives to be used in drilling medium? Soap, KCl, or Clay Stay

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) Lime

-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 Dad Ogot - Dennis S Yost

Company Official (Typed Name) Yost Heritage, Inc.

Company Official Title CO - PRESIDENTS



Subscribed and sworn before me this 21st day of January, 2014

Kelli D. Wilson Notary Public

My commission expires June 17, 2023

03/07/2014

Form WW-9

Operator's Well No. H1

Proposed Revegetation Treatment: Acres Disturbed 1/2 ac. Prevegetation pH 6.4

Lime 3 Tons/acre or to correct to pH 5.5

Fertilizer (10-20-20 or equivalent) 500 lbs. lbs/acre (500 lbs minimum)

Mulch Hay/straw - 2 tons/ac. Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY - 31		40	Meadow mix		40
Alsike clover		5			
Annual rye		15			

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

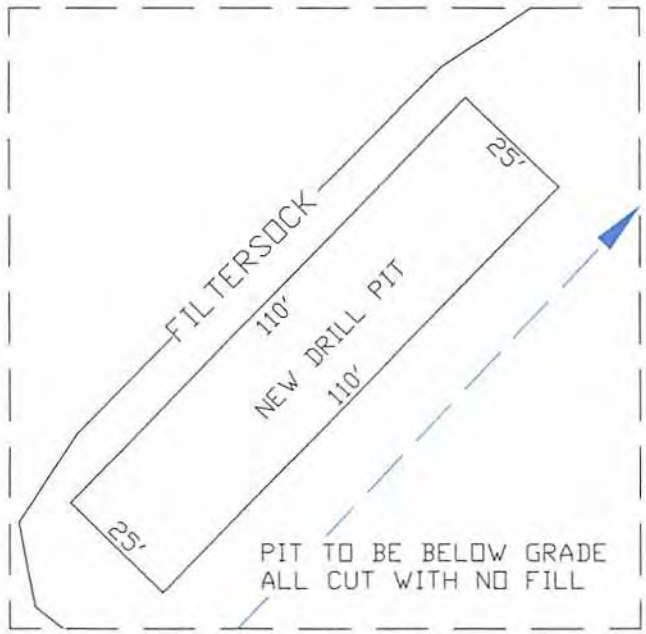
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature] [Signature]

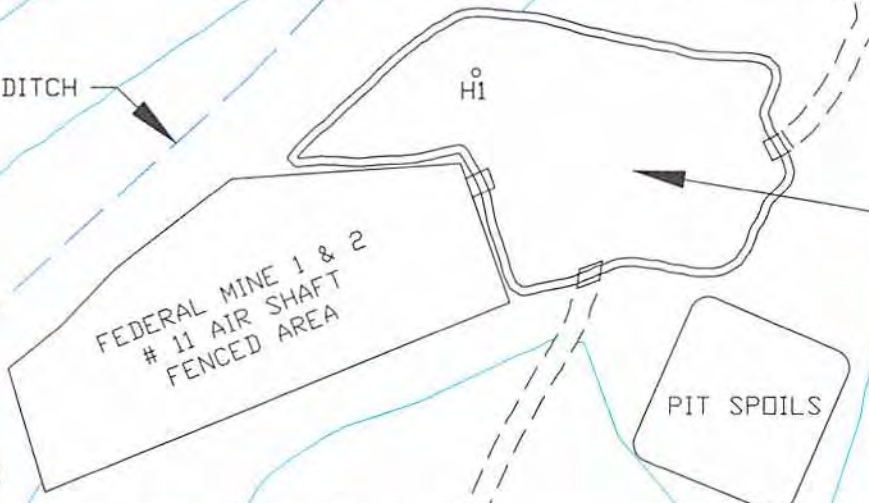
Comments: Seed & mulch ASAP.

Title: Oil & Gas Inspector Date: 2/27/2014

Field Reviewed?  Yes  No

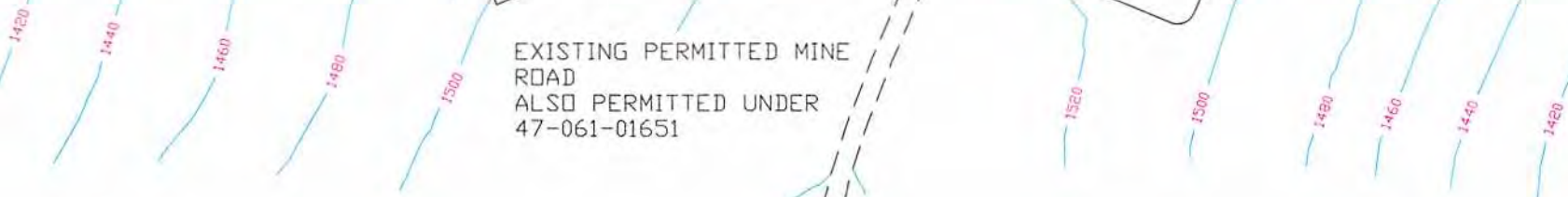


NEW DRILL PIT  
DETAIL



NOTE: WELL IS 150' FROM AIR SHAFT WHICH WAS PRESSURE GROUTED TO PITTSBURG COAL

EXISTING PERMITTED MINE ROAD ALSO PERMITTED UNDER 47-061-01651



EROSION AND SEDIMENT CONTROL PLAN	
YOST HERITAGE, INC. PROPOSED WELL H1	
CLAY DISTRICT, MONONGALIA COUNTY BLACKSVILLE QUAD, WV 7.5'	
JANUARY 22, 2014	
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705	
PAGE 1 OF 1	

Received

FEB 4 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

6101667H

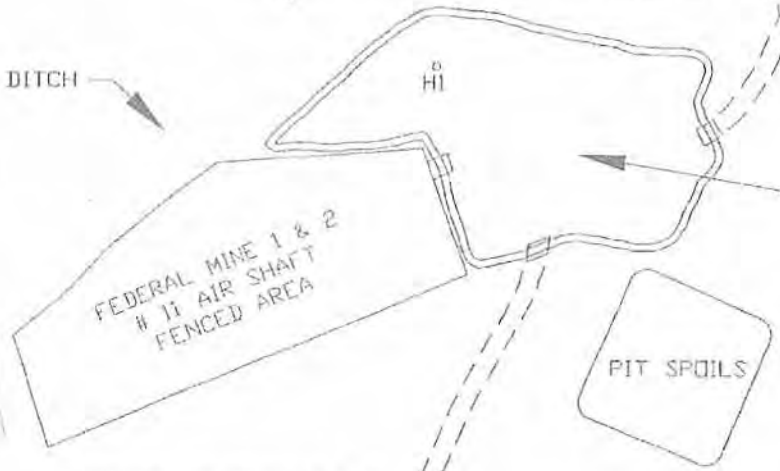


*[Handwritten signature]*  
 2/27/14 SDW  
 2/27/2014



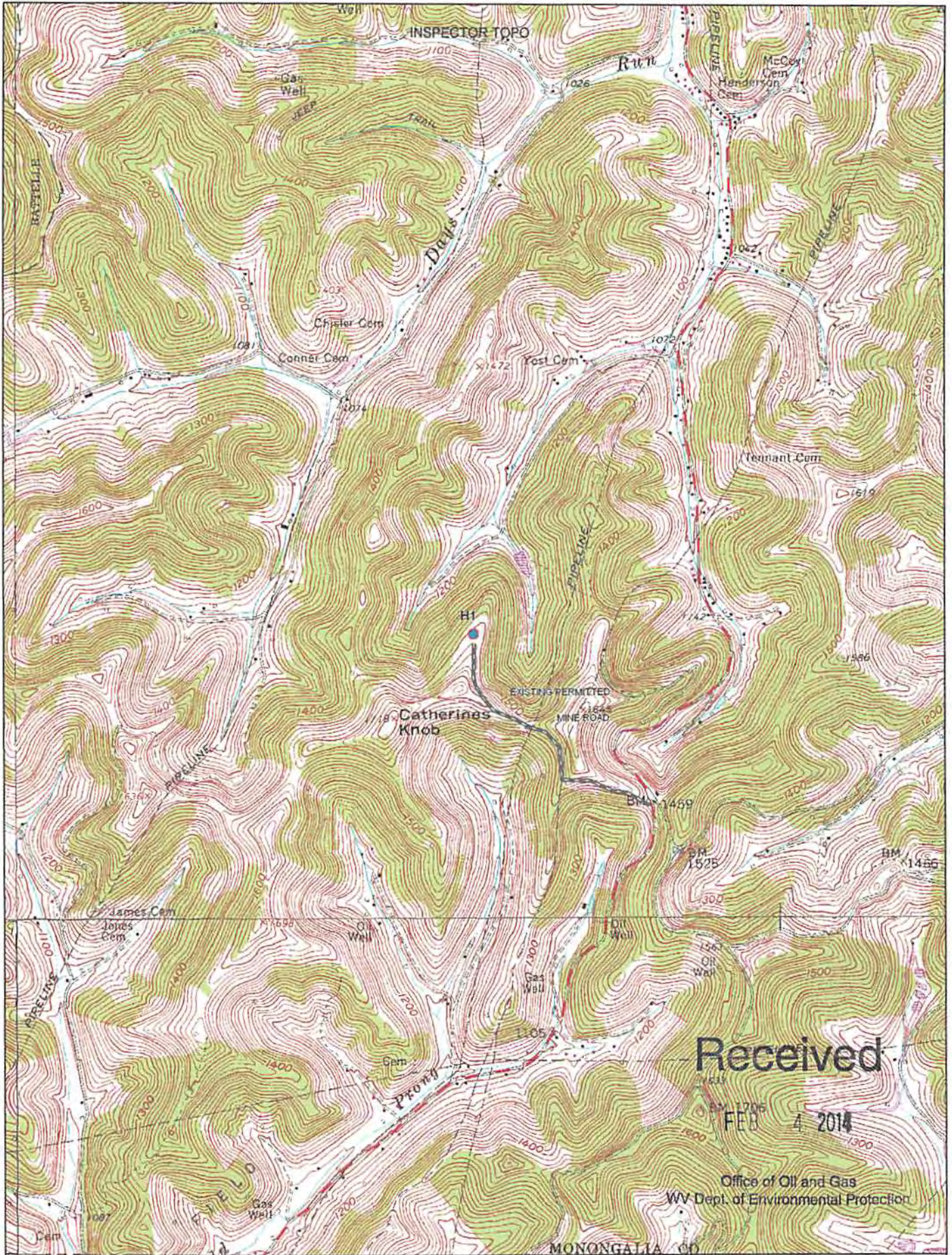
EXISTING DIVERSION DITCH

FROM AIR SHAFT  
 PRESSURE GROUTED  
 COAL



EXISTING PERMITTED MINE ROAD  
 ALSO PERMITTED UNDER  
 47-061-01651

EROSION AND SEDIMENT CONTROL PLAN	
YOST HERITAGE, INC. PROPOSED WELL H1	
CLAY DISTRICT, MONONGALIA COUNTY BLACKSVILLE QUAD, WV 7.5"	
JANUARY 22, 2014	
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705	
PAGE 1	OF 1

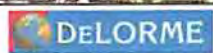
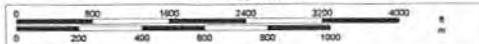


Received  
 FEB 4 2014

Office of Oil and Gas  
 WV Dept. of Environmental Protection

MONONGALIA, CO

Scale 1 : 24,000  
 1" = 2,000 ft

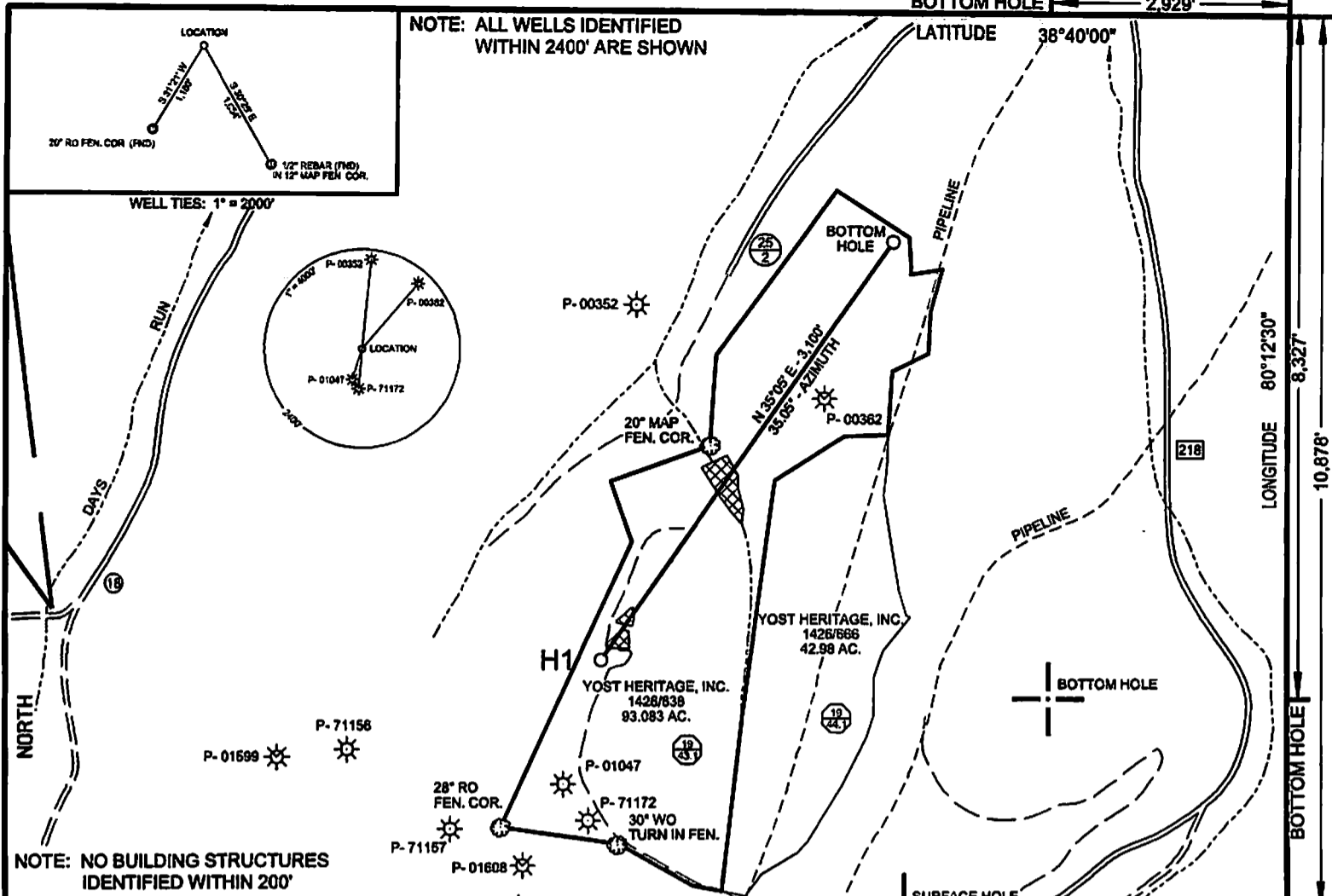


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 Zoom Level: 14-0 Datum: WGS84

03/07/2014

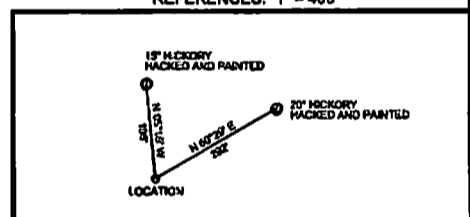


SURFACE HOLE 4,691'  
 BOTTOM HOLE 2,929'



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

<b>SURFACE HOLE</b>
STATE PLANE WV NORTH ZONE NAD 1927 N - 414,880.289 : E - 1,795,880.946
LATITUDE: (N) 39.6368258° LONGITUDE: (W) 80.2247795°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,387,745.894 : E - 566,539.477
<b>BOTTOM HOLE</b>
STATE PLANE WV NORTH ZONE NAD 1927 N - 417,417.987 : E - 1,797,661.449
LATITUDE: (N) 39.6438320° LONGITUDE: (W) 80.2185297°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,388,528.112 : E - 567,069.068

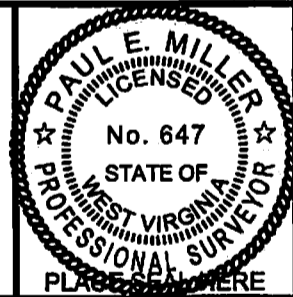


( + ) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. H1.DGN  
 DRAWING NO. H1 PLAT  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 : 200  
 PROVEN SOURCE OF ELEVATION MAPPING GRADE 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) Paul E. Miller  
 R.P.E. \_\_\_\_\_ L.I.S. 647



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OIL AND GAS DIVISION



DATE JANUARY 22, 20 14  
 OPERATOR'S WELL NO. H1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,504' WATER SHED \_\_\_\_\_ TRIBUTARY OF DAYS RUN OF DUNKARD CREEK  
 DISTRICT CLAY COUNTY MONONGALIA

QUADRANGLE BLACKSVILLE, WV 7.5'  
 SURFACE OWNER YOST HERITAGE, INC. ACREAGE 93.038  
 OIL & GAS ROYALTY OWNER YOST HERITAGE, INC. AND MABEL CORRELL CUMMINS LEASE ACREAGE 93.038

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

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION BENSON ESTIMATED DEPTH 5,000'  
 WELL OPERATOR YOST HERITAGE, INC. DESIGNATED AGENT DENNIS YOST  
 ADDRESS 2656 DAYBROOK RD., FAIRVIEW, WV 26570 ADDRESS SAME

FORM WW-6

COUNTY NAME  
 PERMIT

03/07/2014