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**west virginia** department of environmental protection

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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

November 08, 2013

**WELL WORK PERMIT**

**Vertical Well**

This permit, API Well Number: 47-10302966, issued to DIVERSIFIED RESOURCES, 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: D-187  
Farm Name: STATE OF WV PUBLIC LAND CO  
**API Well Number: 47-10302966**  
**Permit Type: Vertical Well**  
Date Issued: 11/08/2013

**Promoting a healthy environment.**

# 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.
8. If well work related activities require the use of water obtained by withdrawals from waters of this state in amounts that exceed two hundred ten thousand gallons during any thirty day period, the operator is required to consult, and adhere to, the guidance provided by DEP's Water Withdrawal Guidance Tool prior to any water withdrawals.

10302966

WW - 2B  
(Rev. 8/10)

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

103 04 349

1) Well Operator: Diversified Resources, Inc. 305996 Wetzel Grant Folsom  
Operator ID County District Quadrangle

2) Operator's Well Number: D-187 3) Elevation: 1449.73

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

5) Proposed Target Formation(s): Bayard Proposed Target Depth: 3650'  
6) Proposed Total Depth: 3650' Feet Formation at Proposed Total Depth: Bayard  
7) Approximate fresh water strata depths: 90'  
8) Approximate salt water depths: 1485'

9) Approximate coal seam depths: 180'

10) Approximate void depths, (coal, Karst, other): n/a

DML  
10-3-17

11) Does land contain coal seams tributary to active mine? n/a

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

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft			
Conductor						
Fresh Water	95/8	ERW		<del>700'</del> 168'	<del>300'</del> 168'	<del>CTS 90 sks</del>
Coal						
Intermediate	7	ERW		1500'	1500'	CTS 240 sks
Production	4 1/2	ERW		3650'	3650'	225 sks
Tubing						
Liners						

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Office of Oil and Gas

0011103

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_  
WV Department of Environmental Protection



10302966

WW-2A  
(Rev. 6-07)

CK # 1133  
650600

1.) Date: August 22, 2013  
2.) Operator's Well Number D-187  
State County Permit  
3.) API Well No.: 47- 103 - 02966

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 State of WV Capital Complex  
Address Bldg #3 Room 643  
Charleston, WV 25305  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
5) (a) Coal Operator  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Derek Haught  
Address PO Box 85  
Smithville, WV 26178  
Telephone 304-477-4148

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.

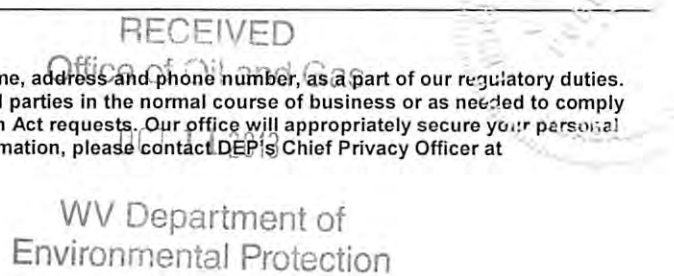
Well Operator Diversified Resources, Inc.  
By: [Signature]  
Its: President  
Address POBox 381087  
Birmingham, AL 35238  
Telephone 205-408-0909

Subscribed and sworn before me this 22<sup>nd</sup> day of August, 2013

[Signature] Notary Public  
My Commission Expires 3/31/15

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)



WV Department of Environmental Protection

WW-70  
Rev. 7/01

Affidavit of Personal Service

State Of West Virginia \_\_\_\_\_

County Of Wetzel \_\_\_\_\_

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)  / WW-3(A)  / WW-4(A)  / WW-5(A)  / WW-6(A)
- (2) Application on Form WW-2(B)  / 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. D-187 located in Grant District, Wetzel County, West Virginia, upon the person or organization named--

WV Department of Natural Resources - Stephen Rauch

--by delivering the same in Marion County, State of West Virginia on the 26 day of September, 2013 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him  / 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:

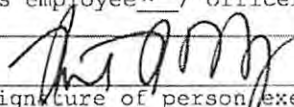
Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

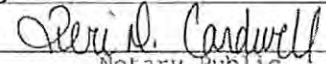
Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

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

  
(Signature of person executing service)

Taken, subscribed and sworn before me this 16 day of November 2013.  
My commission expires April 4, 2015

  
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Wetzel Operator Diversified Resources, Inc.  
Operator well number D-187

**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 \_\_\_\_\_

\_\_\_\_\_  
Company Name  
By \_\_\_\_\_  
Its \_\_\_\_\_

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date  
**RECEIVED**  
Office of Oil and Gas  
\_\_\_\_\_  
Signature OCT 11 2013 Date



**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
Bay Oil Co. LLC and Lynrow Assoc., LLC	Trans Energy, Inc.	12.5	86A/597
Trans Energy, Inc.	Diversified Resources, Inc.	12.5	138A/770


**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:

Diversified Resources, Inc.  
  
 President

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 OCT 11 2013  
 WV Department of Environmental Protection

WW-2B1  
(5-12)

Well No. D-187

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 Sturm Environmental  
Sampling Contractor \_\_\_\_\_

Well Operator Diversified Resources, Inc.  
Address POBox 381087  
Birmingham, AL 35238  
Telephone 205-408-0909

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.

SEE ATTACHMENT.

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Office of Oil and Gas  
OCT 11 2013  
WV Department of  
Environmental Protection



WW-2A1

ATTACHMENT

10302966

## LAND SURVEYING SERVICES

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Stephen D. Losh, PS  
J. Michael Evans, PS  
21 Cedar Lane  
Bridgeport, WV 26330  
Phone & Fax (304) 842-2018 or 842-5762  
sdlosh@frontier.com

August 01, 2013

Diversified Resources, Inc.  
P. O. Box 381087  
Birmingham, AL 35238-1087

### WATER WELL REPORT

Project: D-187  
District: Grant  
County: Wetzell  
State: WV

The following people may have water supplies within 2,000 feet of the above location:

George Shreve Estate      HC 61, Box 56      Knob Fork, WV 26579

DMH  
10-3-13

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WV Department of  
Environmental Protection

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name DIVERSIFIED RESOURCES, INC. OP Code \_\_\_\_\_

Watershed (HUC 10) BUFFALO RUN Quadrangle FOLSOM

Elevation 1449.73' County WETZEL District GRANT

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: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes X No \_\_\_\_\_ If so, what ml.? 10 20

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 \_\_\_\_\_)

DH  
10-3-13

Will closed loop system be used? \_\_\_\_\_

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

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

Additives to be used in drilling medium? \_\_\_\_\_

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

Company Official (Typed Name) Robert R. Hutson Jr.

Company Official Title President

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Office of Oil and Gas

Subscribed and sworn before me this 23rd day of August, 20 13

Andrey A. Ponceau Notary Public

My commission expires 3/31/15

WV Department of Environmental Protection

**DIVERSIFIED RESOURCES, INC.**

Proposed Revegetation Treatment: Acres Disturbed 1.00 Prevegetation pH 6.5

Lime to pH test Tons/acre or to correct to pH 7.0

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

Mulch Hay or Straw 2 Tons/acre

Seed Mixtures

Seed Type	Area I lbs/acre
ORCHARDGRASS	25
BIRDSFOOT TREFOIL	15
LADINO CLOVER	10

Seed Type	Area II lbs/acre
ORCHARDGRASS	25
BIRDSFOOT TREFOIL	15
LADINO CLOVER	10

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]

Comments: Reseed and mulch all disturbed areas.

Title: Oil & Gas Inspector

Date: 10-3-13

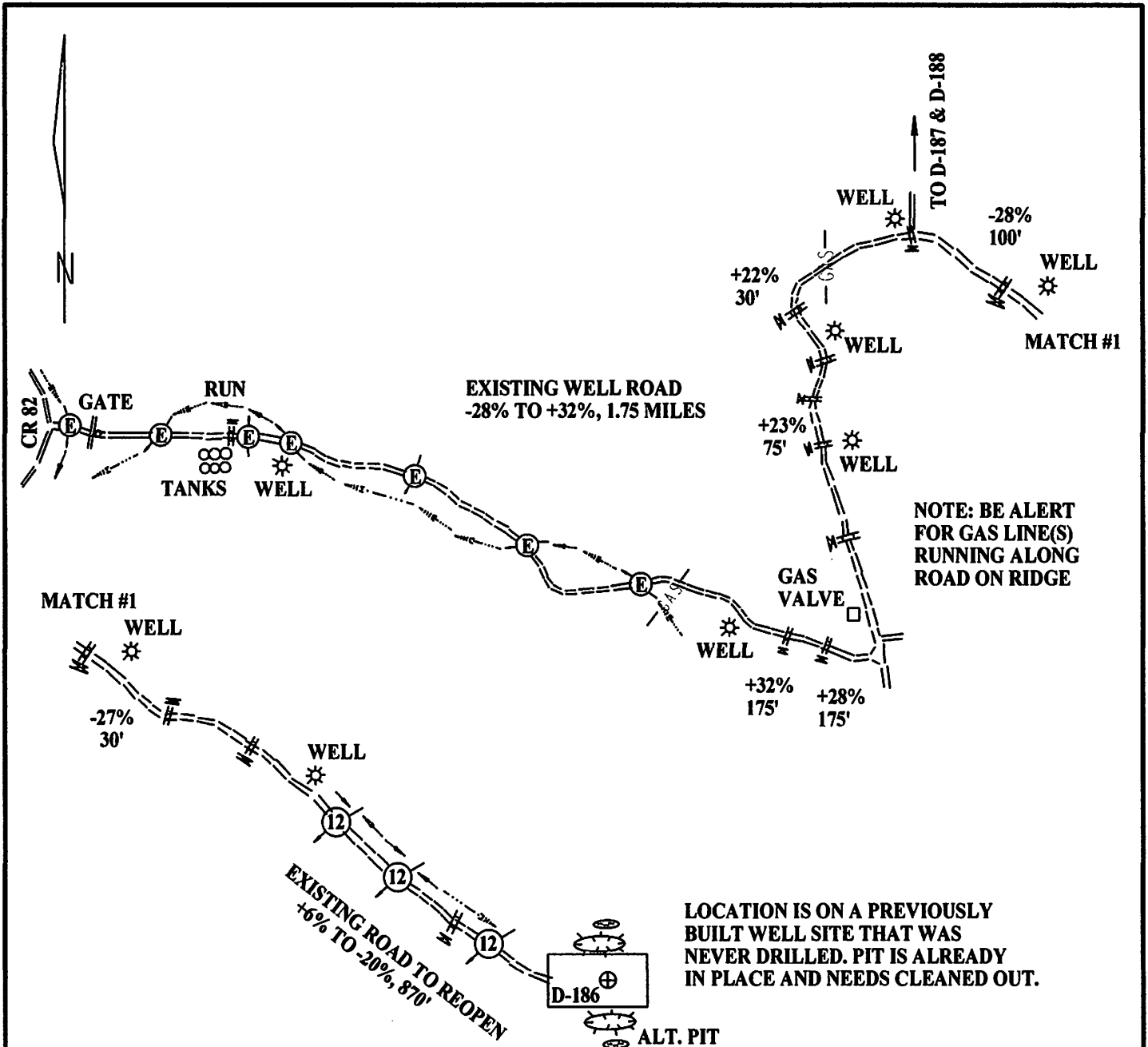
Field Reviewed?  Yes  No

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Office of Oil and Gas

OCT 11 2013

WV Department of  
Environmental Protection





ROAD DITCHES WILL BE MAINTAINED AND ROCK WILL BE USED WHERE NECESSARY.

ALL GRADES OVER 20% ARE SHOWN.

DRAWINGS TO ACCOMPANY FORM WW-9

DIVERSIFIED RESOURCES, INC.

P. O. BOX 381087 Oil and Gas

BIRMINGHAM, AL 35238-1087

WATERSHED: ARCHES FORK Department of

DISTRICT: GRANT Environmental Protection COUNTY: WETZEL

QUADRANGLE: FOLSOM WELL NO.: D-186

DATE: 08/01/13 PAGE      of     

*DMH*  
*10-3-13*



ALL GRADES OVER 20% ARE SHOWN.

ALT. PIT



LOCATION IS ON A WOODED RIDGE. USABLE TIMBER WILL BE CUT AND STACKED. TOPSOIL WILL BE STOCKPILED FOR USE IN REVEGETATION. ROCK WILL BE USED WHERE NECESSARY.

UPGRADE TRAIL ON RIDGE  
-13% TO +17%, 800'



ALT. PIT

SET STONE PROP. COR. (DO NOT DISTURB)

LOCATION IS ON A WOODED RIDGE. USABLE TIMBER WILL BE CUT AND STACKED. TOPSOIL WILL BE STOCKPILED FOR USE IN REVEGETATION. ROCK WILL BE USED WHERE NECESSARY.

GEORGE SHREVE ESTATE

C/O KENNETH SHREVE  
HC 61, BOX 56  
KNOB FORK, WV 26579

825' R/W ALONG RIDGE ON OLD TIMBER ROAD

UPGRADE OLD TIMBER ROAD ON RIDGE

+20% TO -30%, 1320'

-30%  
150'

WELL

TO CR 82

TO D-186

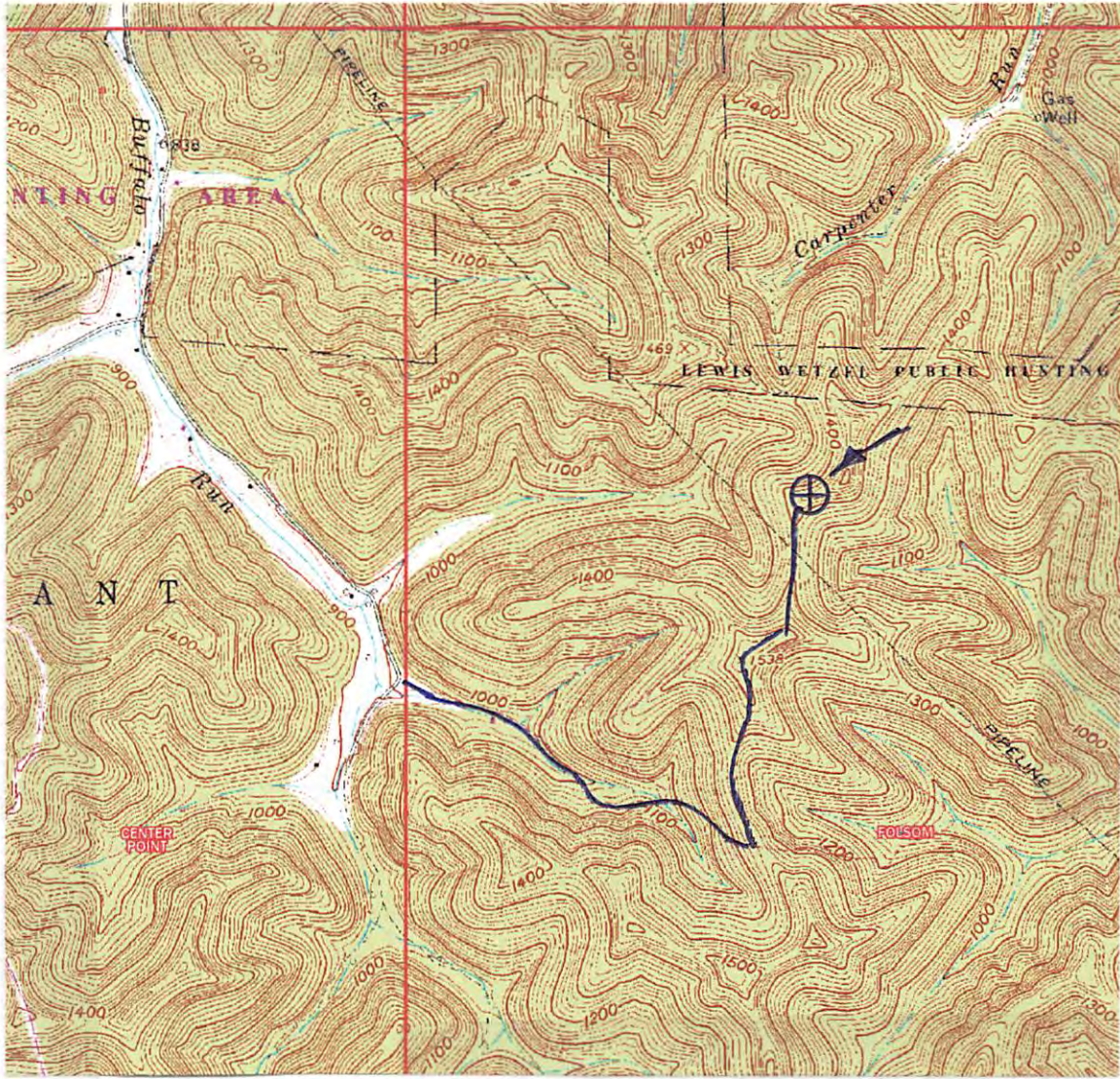
NOTE: SEE ATTACHED SECTION OF THE D-186 REC. PLAN FOR REMAINDER OF ACCESS TO CR 82

*DMH*  
*10-3-13*

LAND SURVEYING SERVICES  
21 CEDAR LANE  
BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 5762

DRAWINGS TO ACCOMPANY FORM WW-9	
DIVERSIFIED RESOURCES, INC.	
P. O. BOX 381087	
BIRMINGHAM, AL 35238-1087	
RECEIVED	
Office of Oil and Gas	
BUFFALO RUN	
WATERSHED:	
DISTRICT: GRANT	COUNTY: WETZEL
QUADRANGLE: FOLSOM	WELL NO: D-187
DATE: 08/01/13	PAGE ___ of ___

WV Department of Environmental Protection



DRAWINGS TO ACCOMPANY FORM WW-9

DIVERSIFIED RESOURCES, INC

P. O. BOX 381087

BIRMINGHAM, AL 35238-1087

WATERSHED: BUFFALO RUN

DISTRICT: GRANT COUNTY: WETZEL

QUADRANGLE: FOLSOM WELL NO.: D-187

DATE: 08/01/13 PAGE of

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LAND SURVEYING SERVICES  
 21 CEDAR LANE  
 BRIDGEPORT, WV 26330  
 PHONE: 304-842-2018 OR 5762

DMH  
 10-3-13



Id	Bearing	Distance
L1	S 62°20'12" W	160.33'
L2	S 36°52'42" E	676.30'

LATITUDE 39-30-00

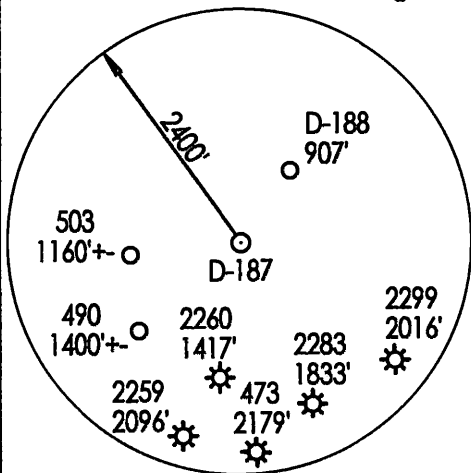
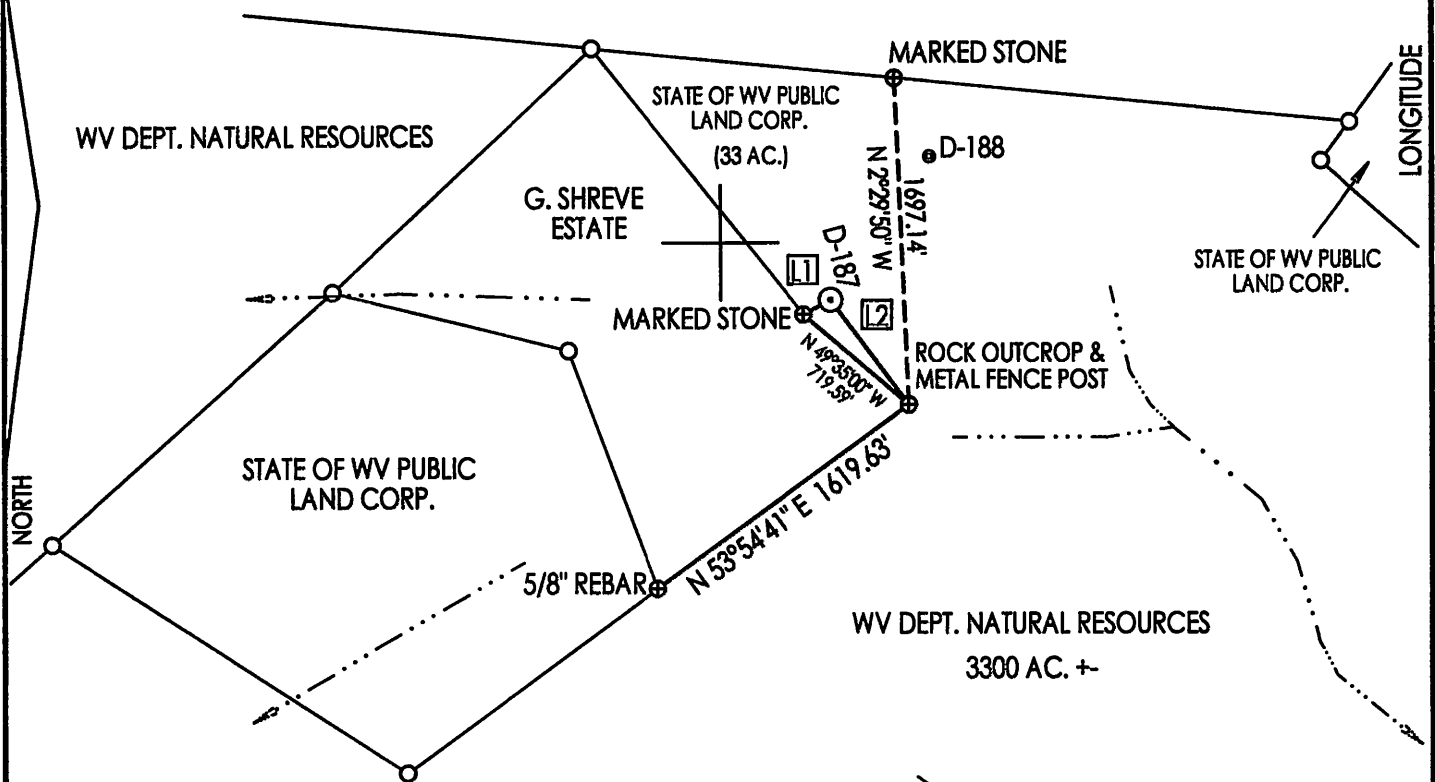
SCALED COOR.:

7390' WEST  
4980' SOUTH

80-35-00

LONGITUDE

LEWIS WETZEL PUBLIC HUNTING AREA



NAD 27 WV NORTH SPC:

D-187 = 361,181.39'  
1,686,821.68'

UTM 83 COOR. (METERS):

D-187 = 4,370,831.10 m  
533,585.25 m

WELL REFERENCES:

N79-00E, 139.00' TO 11" CHERRY  
S61-00W, 147.00' TO 14" RED OAK

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

FILE NUMBER: \_\_\_\_\_  
DRAWING NUMBER: DRID187.PCS  
SCALE: 1" = 1000'  
MINIMUM DEGREE OF ACCURACY: DGPS SUBMETER  
PROVEN SOURCE OF ELEVATION: DGPS SURVEY  
SUBMETER SYSTEM

I THE UNDERSIGNED, HEREBY STATE 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 ENERGY.

(SIGNED) \_\_\_\_\_

STEPHEN D. LOSH, P.S. #674



PLACE SEAL HERE

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 MCJUNKIN ROAD  
NITRO, WV 25143-2506

LAND SURVEYING SERVICES  
21 CEDAR LANE, BRIDGEPORT, WV 26330  
PHONE: 304-842-2018 OR 842-5762

DATE: AUGUST 01, 2013

OPERATORS WELL NO.: D-187

API WELL NO.

47 - 103 - 02966  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ CBM \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

LOCATION: ELEVATION 1449.73' WATERSHED BUFFALO RUN  
DISTRICT GRANT COUNTY WETZEL  
QUADRANGLE FOLSOM LEASE NUMBER \_\_\_\_\_

SURFACE OWNER STATE OF WV PUBLIC LAND CORP. ACREAGE 33.00  
OIL & GAS ROYALTY OWNER EUGENE W. EDDY, ET. AL. LEASE ACREAGE 3108.00

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

PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
TARGET FORMATION BAYARD ESTIMATED DEPTH 3665'

WELL OPERATOR DIVERSIFIED RESOURCES, INC. DESIGNATED AGENT RUSTY HUTSON

ADDRESS P. O. BOX 381087 BIRMINGHAM, AL 35238-1087 ADDRESS P. O. BOX 381087 BIRMINGHAM, AL 35238-1087

COUNTY NAME  
PERMIT