



west virginia department of environmental protection

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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Monday, February 13, 2017
WELL WORK PERMIT
Vertical / Plugging

ASCENT RESOURCES-MARCELLUS, LLC (A)
3501 NW 63RD STREET

OKLAHOMA CITY, OK 73116

Re: Permit approval for 5
47-103-01013-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 5
Farm Name: LANTZ, J. A.
U.S. WELL NUMBER: 47-103-01013-00-00
Vertical / Plugging
Date Issued: 2/13/2017

Promoting a healthy environment.

02/17/2017

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B
Rev. 2/01

1) Date 1/12, 2017
2) Operator's
Well No. Lantz, JA #5
3) API Well No. 47-103 - 01013

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil X / Gas ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___

5) Location: Elevation 816' Watershed North FK, Fishing CK
District Grant County Wetzel Quadrangle Pinegrove 7.5'

6) Well Operator Ascent Resources - Marcellus 7) Designated Agent Eric Gillespie
Address 3501 NW 63rd Address 100 Star Ave. Suite 120
Oklahoma City, OK 73116 Parkersburg, WV 26101

8) Oil and Gas Inspector to be notified Name Derek Haught 9) Plugging Contractor Name PERKINS SUPPLY INC
Address P.O. Box 85 Address 2966 NORTHWEST TPKE
Smithville, WV 26178 PENNSBORO, WV 26415

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

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

Work order approved by inspector  Date 1-30-17

Lantz, JA 5

API No 47-103-01013

	Casing	
Surface	8 - 1/4	1111'
Production	6 - 5/8	2102'

TD 2683.5'

Pull tubular's, free point production casing. Back off, rip/cut, or perforate casing as direct by state inspector.

RIH w/ work string, pump 6% Gel between cement plugs. Set cement plugs as followed.

- Plug 1; 2610' - 2510'
- Plug 2; 50' in and 50' out of production casing stub
- Plug 3; 1390' - 1290'
- Plug 4; 1161' - 1061'
- Plug 6; 100' - surface

PLUG 5 FIREPOINT 8 1/4 CASING, CUT & POOH.
 SET 100' CIA PLUG ACROSS CUT.
 SET 100' CIA PLUG ACROSS PITTSBURGH COAL.
 DMH IF 8 1/4 CANNOT BE PULLED,
 PERFORATE FROM 6 26' TO 526'
 AND SET 100' CIA CEMENT
 PLUG ACROSS COAL.

Plug 5 ★ -

Clean up location. Erect monument with API No PER WV CODE.

JMM

WELL RECORD

J. A. LANTZ #5

Commenced - March 18, 1900

Completed - May 9, 1900

Formation

Depth

Pgh. Coal	570-576
Dunkard	1100-1150
Salt Sand	1400-1500
Little Lime	1760-1790
Big Lime	1800-1860
Big Injun	1860-2000
Red Rock	2540-2570
Gordon Stray	2630-2662
Gordon	2670'6"
Oil	2674'6"

TOTAL DEPTH 2683'6"

CASING

10"	450	Pulled
8 1/2"	1111	
6-5/8"	2102	

10301013P

SOUTH PENN OIL COMPANY—COMPLETION

No. 1

SERIAL NO. _____ FARM J.A. Lantz WELL NO. 8a

ELEVATION _____ N. 9 S. _____ W. 2a

LEASE NO. _____ ACRES 125 MAP NO. _____

WATERS OF Fishing Creek

DISTRICT Grant COUNTY Wetzel STATE W.Va.

DRILLING COMMENCED No Record COMPLETED No Record DEPTH 2682'

SANDS	TOP		BOTTOM	ELEV. TOP	CASING
	PSL. COAL OR BIG LINE	DEPTH			
<u>Stray</u>	<u>No Record</u>				
<u>Gordon</u>	<u>2670</u>	<u>2662</u>		<u>8 1/2</u>	<u>1111'</u>
				<u>8 5/8</u>	<u>2102'</u>

PACKERS AND DEPTH SET _____

INITIAL PROD. No Record SAND Gordon DEPTH 2674'

GAS TEST No Record

SHOT 1/31/06 QUANTS 120 Qts.

REMARKS _____

REPORTED BY R.S. Startzman

ABANDONED

RECEIVED
Office of Oil and Gas

JAN 23 2017

WV Department of
Environmental Protection

47-103-1013

02/17/2017

PARTICIPANTS:

DATE: JAN 21 1980

BUYER-SELLER CC

10301013P

WELL OPERATOR:

Pennzoil Company

014730

FIRST PURCHASER:

Consolidated Gas Supply Corp

004228

OTHER:

Classification Section 108, 103, 1013
Patrick

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
790522-108-103-1013
 Use Above File Number on all Communications
 Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent James A. Crews
- 3 IV-2 - Well Permit _____
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record Drilling Deepening _____
- 6 IV-36- Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7 IV-39- Annual Production 11 MGS *on line / year*
- 8 IV-40- 90 day Production 91 Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____
 1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
 Date commenced: N/A
 Date Completed: 1-31-06 Deepened _____
 Date Completed: _____
 (5) Production Depth: 2630 ; 2670
 (5) Production Formation: Stray ; Gordon
 (5) ~~Initial~~ Final OPEN FLOW Potential: N/A
 (5) ~~Static~~ After Frac! R.P. Initially: N/A
 (6) Other Gas Test: _____
 (7) Avg. Daily Gas from Annual Production: $\frac{420}{240} = 1.8 \text{ mcs}$; $\frac{23}{25} = .06 \text{ Bbl}$
 (8) Avg. Daily Gas from 90-day endit. 1-1-120 days $\frac{91}{91} = 6.2 \text{ mcs}$; $.01 \text{ Bbl}$
 (8) Line Pressure: 5# $\frac{27}{71} = .38$ PSIG from Daily Report
 (5) Oil Production: NO From Comp'tation Report _____
 (10-17) Does lease inventory indicate enhanced recovery being done: NO
 (10-17) Is affidavit signed? Notarized?
 Does official well record with the Department confirm the submitted information? NO
 Additional Information _____ Does computer program confirm? _____
 Was Determination Objected to? _____ By Whom? _____

RECEIVED
Office of Oil and Gas

JAN 23 2017

WV Department of
Environmental Protection
02/17/2017

10301013A

LATITUDE 39° 37' 30"

80° 43' 08" LONGITUDE



7.5 OGIS topo location

7.5' loc 2.695 15' loc _____
' 1.82w (calc.) _____

Company _____

Farm _____

Quad PINE GROVE 7 1/2'

County NETZEL

District GRANT

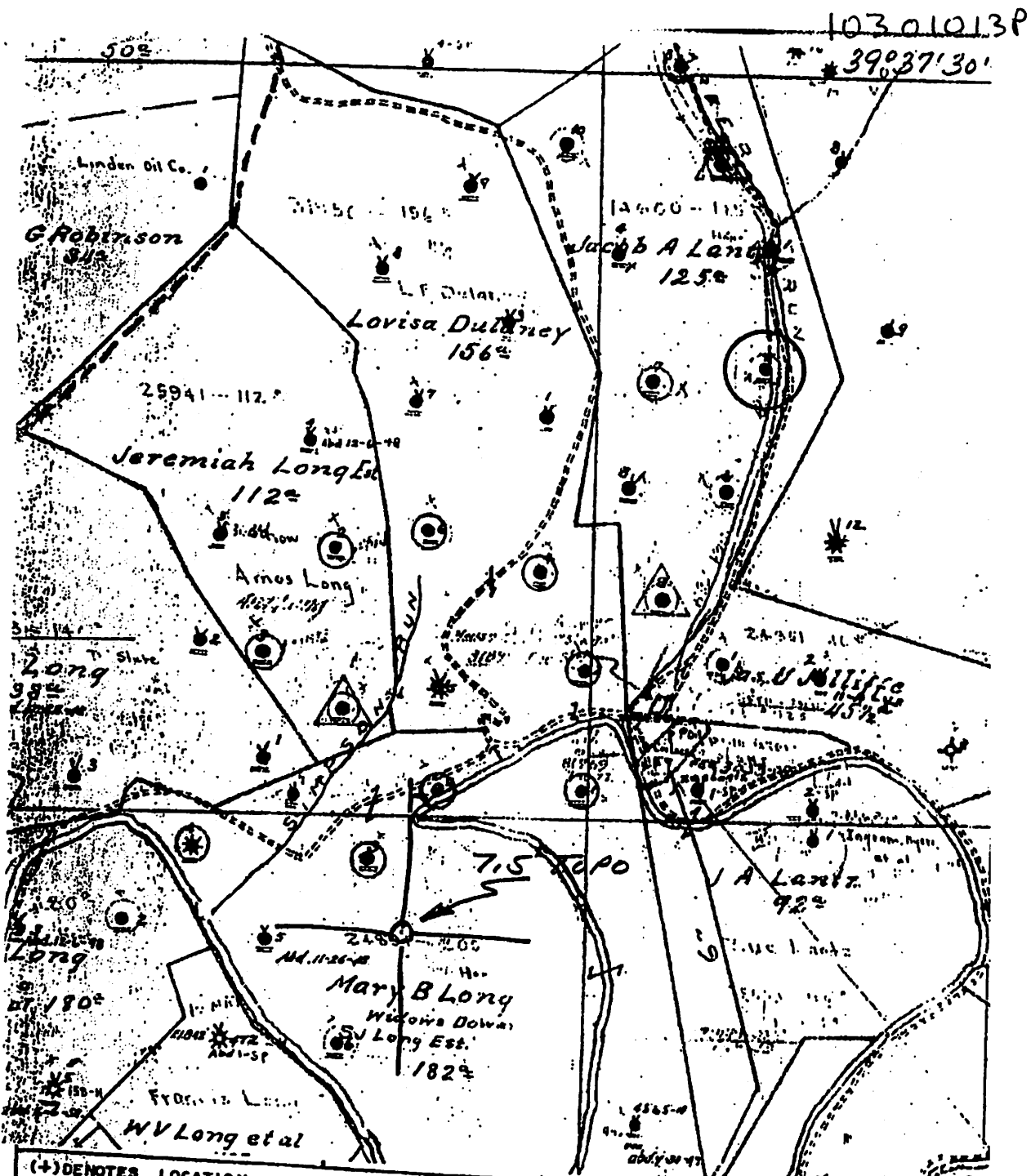
WELL LOCATION MAP

File No. 103-1013

RECEIVED
Office of Oil and Gas

JAN 23 2017

(040) WV Department of
Environmental Protection 02/17/2017



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)
 N60N11W2



DATE 1-5-1979
 OPERATOR'S WELL NO. 5
 API WELL NO. 47-103-1013
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS, PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 815.96 WATER SHED NORTHERN FISHING CR
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE PINE GROVE 7.5
 SURFACE OWNER _____
 OIL & GAS ROYALTY OWNER _____ ACREAGE _____
 LEASE NO. _____ LEASE ACREAGE _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

RECEIVED
 Office of Oil and Gas
 JAN 23 2017

PLUS AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR James A. Gandy DESIGNATED AGENT James A. Gandy
 ADDRESS P.O. Box 1500 ADDRESS P.O. Box 1500
Parkersburg, WV 26101 Parkersburg, WV 26101

S.A. LARTZ-5

02/17/2017

WW-4A
Revised 6-07

1) Date: 1/12/2017
2) Operator's Well Number
Lantz, JA #5
3) API Well No.: 47 - 103 - 01013

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Steven L Morris, Jr.</u>	Name <u>N/A</u>
Address <u>HC 79, Box 5A</u>	Address _____
<u>Jacksonburg, WV 26377</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Derek Haught</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 85</u>	Name _____
<u>Smithville, WV 26178</u>	Address _____
Telephone <u>304-206-7613</u>	_____


TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

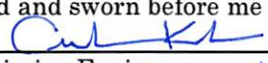
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Ascent Resources - Marcellus LLC
 By: Trent L Carroll 
 Its: Senior Regulatory Analyst
 Address 3501 NW 63rd
Oklahoma City, OK 73116
 Telephone _____

Subscribed and sworn before me this 12 day of January



Notary Public

My Commission Expires 1/23/18

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.

RECEIVED
Office of Oil and Gas

JAN 23 2017
WV Department of
Environmental Protection
02/17/2017

10301013P

7016 2070 0000 7020 0051

**U.S. Postal Service™
CERTIFIED MAIL® RECEIPT** *TC*
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To *Steven Morris, Sr.*
 Street and Apt. No., or PO Box No. *HC 79 Box 5A*
 City, State, ZIP+4 *Jacksonburg, WV 26377*

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



RECEIVED
Office of Oil and Gas

JAN 23 2017

WV Department of
Environmental Protection

02/17/2017

WW-9
(5/16)

API Number 47 - 103 - 01013
Operator's Well No. Lantz, JA #5

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

Operator Name Ascent Resources - Marcellus, LLC OP Code 494514693

Watershed (HUC 10) North FK, Fishing CK Quadrangle Pinegrove 7.5'

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: _____

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

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application (if selected provide a completed form WW-9-GPP)
- _____ 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: NA

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

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

Additives to be used in drilling medium? NA

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

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

-Landfill or offsite name/permit number? NA

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Trent Carroll*

Company Official (Typed Name) Trent Carroll

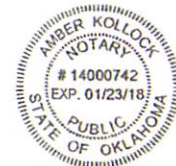
Company Official Title Sr. Regulatory Analyst

Subscribed and sworn before me this 12 day of January, 20 17

Amber Kollock

Notary Public

My commission expires 1/23/18



Form WW-9

Operator's Well No. Lantz, JA#5

Proposed Revegetation Treatment: Acres Disturbed 0.7 Prevegetation pH _____

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Straw 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: Dil + Gas Inspector Date: 1-30-17

Field Reviewed? Yes No

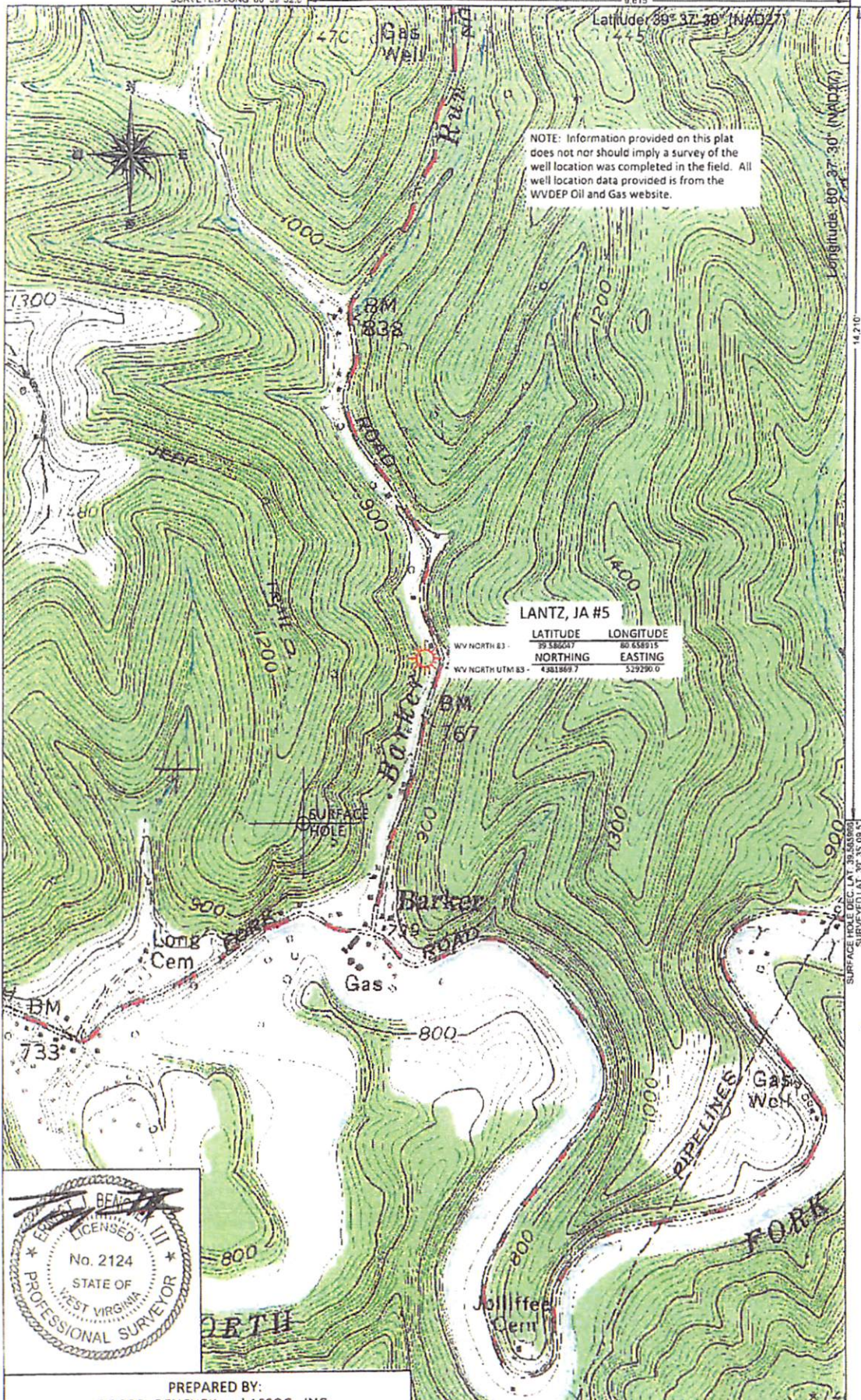
10301013P

SURFACE HOLE DEC LONG 80 659096
SURVEYED LONG 80° 39' 32.8"

9.615

Latitude 39° 37' 38" (NAD27)
7445

NOTE: Information provided on this plat does not nor should imply a survey of the well location was completed in the field. All well location data provided is from the WVDEP Oil and Gas website.

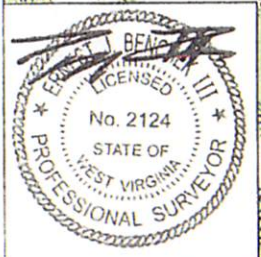


LANTZ, JA #5

	LATITUDE	LONGITUDE
WV NORTH 83	39.62607	80.65815
	NORTHING	EASTING
WV NORTH UTM 83	4381869.7	529290.0

14.210
SURFACE HOLE DEC LAT 39.658096
SURVEYED LAT 39° 35' 09.5"

DATA
1-30-11



PREPARED BY:
BOORD, BENCHEK and ASSOC., INC.
Engineering, Surveying, Construction,
and Mining Services
Southpointe, PA 15317 Phone: 724-746-1055

PREPARED AT THE REQUEST OF:
ASCENT RESOURCES - MARCELLUS, LLC
3501 NW 63rd STREET
OKLAHOMA CITY, OK 73116



02/17/2017

10301013P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-103-01013 WELL NO.: 5

FARM NAME: Lantz, JA

RESPONSIBLE PARTY NAME: Ascent Resources - Marcellus LLC

COUNTY: Wetzel DISTRICT: Grant

QUADRANGLE: Pine Grove 7.5

SURFACE OWNER: Steven L. Morris, Jr.

ROYALTY OWNER: Ascent Resources - Marcellus LLC

UTM GPS NORTHING: 4381869.7

UTM GPS EASTING: 529290.0 GPS ELEVATION: 815

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.


Signature

Sr. Regulatory Analyst
Title

RECEIVED
Office of Oil and Gas

1/12/2017 2017

Date
WV Department of
Environmental Protection
02/17/2017

10301013P



West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Jeff McLaughlin or whomever concerned
601 57th Street
Charleston, West Virginia 25304

RECEIVED
Office of Oil and Gas

JAN 23 2017

WV Department of
Environmental Protection



January 12, 2017

West Virginia Department of Environmental Protection
Office of Oil and Gas
Attn: Jeff McLaughlin or whomever concerned
601 57th Street
Charleston, West Virginia 25304

Re: Application for a Plugging Permit
Lantz, JA #5

Dear Mr. McLaughlin,

Ascent Resources – Marcellus, LLC respectfully submits an application to plug and abandon the above referenced well in Wetzel County, West Virginia.

If you need any additional information, please feel free to contact me.

Best Regards,

A handwritten signature in blue ink, appearing to read 'Trent Carroll', is written over the 'Best Regards,' text.

Trent Carroll
Sr. Regulatory Analyst
trent.carroll@ascentresources.com
Cell 405-693-4931
Office 405-252-7721

cc: Derek Haught, Inspector
Steven L. Morris, Jr., Certified Mail

RECEIVED
Office of Oil and Gas

JAN 23 2017

WV Department of
Environmental Protection