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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

July 31, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-6100568, issued to CONSOL GAS COMPANY, 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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

  
James Martin  
Chief

Operator's Well No: 11710  
Farm Name: THOMPSON, N. B.  
**API Well Number: 47-6100568**  
**Permit Type: Plugging**  
Date Issued: 07/31/2015

**Promoting a healthy environment.**

**07/31/2015**

## PERMIT CONDITIONS

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

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### CONDITIONS

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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.

1) Date \_\_\_\_\_, 20 15  
2) Operator's  
Well No. NB Thompson #7124  
3) API Well No. 47-061 - 0568

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 \_\_\_\_ / Gas X / Liquid injection \_\_\_\_ / Waste disposal \_\_\_\_ /  
(If "Gas, Production X or Underground storage \_\_\_\_ ) Deep \_\_\_\_ / Shallow X

5) Location: Elevation 2079.55 Watershed Deckers Creek  
District Morgan County Monongalia Quadrangle Masontown

6) Well Operator Consol Gas Company 7) Designated Agent Criag Neal  
Address 1000 Consol Energy Drive Address 1000 Consol Energy Drive  
Canonsburg, PA 15317 Canonsburg, PA 15317

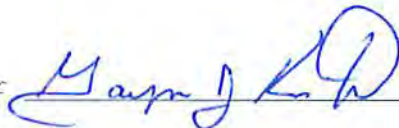
8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gayne Knitowski Name Contractor Services Inc. (CSI)  
Address P.O. Box 108 Address 929 Charleston Rd.  
Gorman, WV 26720 Spencer, WV 25776

10) Work Order: The work order for the manner of plugging this well is as follows:  
Please see attached pages.

Received  
Office of Oil & Gas

JUN 22 2015

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

Work order approved by inspector  Date 6/8/2015

07/31/2015

NB Thompson #7124

API 47-061-0568

Morgan District

Monongalia County

Location: Masontown Northing: 404,421.77 (Nad83 WVN)

Easting: 1,871,548.10

Elevation: 2079.55

### Proposed Plug & Abandonment Procedure:

The work order for the manner of plugging this well is as follows:

The wellbore will be cleaned out to the total depth ~~or attainable bottom~~<sup>gma</sup>. An attempt to remove all casing shall be made by pulling a minimum of 150% of the casing string weight. From the total depth ~~or attainable bottom~~ to the surface, casing will be removed so that only fully cemented casing strings will be left in the wellbore. Intact and un-cemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth ~~or attainable bottom~~ to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, any casing shall be ripped, cut, or perforated on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth ~~or attainable bottom~~ to 100 ft. above any mineable coal seam. From that point to the surface, Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives shall be used to fill the wellbore. A monument with the API number will be set on the wellbore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6. The disturbed areas shall be graded, seeded and mulched as required.

Received  
Office of Oil & Gas  
JUN 22 2015

07/31/2015

6100568 P

Rev - 9-71



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas   
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle Mason town  
Permit No. MON-568  
47-061

Company <u>Consolidated Gas Supply Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>445 W. Main St., Clarksburg, WV</u>				
Farm <u>W. B. Thompson</u> Acres <u>74/358.75</u>				
Location (waters) <u>Tibbs Run</u>				
Well No. <u>11710</u> Elev. <u>2080'</u>	Size			
District <u>Morgan</u> County <u>Monongalia</u>	20-16			
The surface of tract is owned in fee by <u>Allgheny Trails Council</u>	Cond.			
Address <u>Director of Camping, Pittsburgh, Pa.</u>	<u>AAA 13 3/8"</u>	<u>24'</u>	<u>24'</u>	To surface
Mineral rights are owned by <u>Nellie Blanch Thompson, Agt.</u> Address <u>444 Madigon Ave., Morgantown, WV</u>	<u>9 5/8</u>	<u>1356'</u>	<u>1356'</u>	To surface
Drilling Commenced <u>October 25, 1978</u>	<u>8 5/8</u>			
Drilling Completed <u>November 30, 1978</u>	<u>7</u>			
Initial open flow <u>N.T.</u> cu. ft. _____ bbls.	<u>5 1/2</u>			
Final production <u>1958M</u> cu. ft. per day _____ bbls.	<u>4 1/2</u>	<u>8084'</u>	<u>8084'</u>	500 Sks.
Well open _____ hrs. before test <u>3500# RP.</u>	<u>3</u>			
	<u>2</u>			
	Liners Used			

Well treatment details: Well fractured in Chert with 100,000# sand, 1200 bbls. of 5% Hcl & 2000 gal. 20% Hcl. Perforations: 7800 - 7880' with 40 holes - one hole every other foot.

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 98' Feet \_\_\_\_\_ Salt Water None Feet \_\_\_\_\_  
Producing Sand Chert Depth 7800-7880'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Dirt			0	5		
Sand & Shale			5	240	Water	98' 1/2" Stream
Red Rock			240	270		
Shale & Sand			270	390		
Red Rock & Shale			390	406		
Sand & Shale			406	428		
Red Rock & Shale			428	490		
Shale			490	576		
Lime			576	700		
Sand & Shale			700	7350		
Tully			7350	7775		
Onondaga			7775	7790		
Chert			7790	8015		
Oriskany			8015	8141	T.D.	
Gamma Ray Log Tops						
Tully			7344	7415		
Onondaga			7779	7796		
Chert			7796	8000		
1st Oriskany			8000	8004		
Chert			8006	8014		
2nd Oriskany			8018			
Total Depth				<u>8144</u>		

Received  
Office of Oil & Gas  
JUN 22 2015  
Consolidated Gas Supply Corp.  
445 West Main Street  
Clarksburg, West Virginia  
Manager of Prod.

\* Indicates Electric Log tops in the remarks section.

(over)

1-11-79

07/31/2015

WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
NB Thompson #7124  
3) API Well No.: 47 - 061 - 0568

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

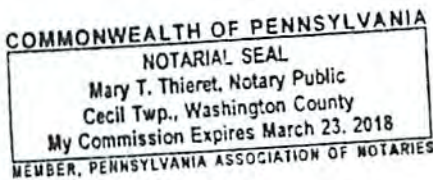
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Charles T. Young and Patricia M. Young</u>	Name <u>n/a</u>
Address <u>980 Snake Hill Road</u>	Address _____
<u>Morgantown, WV 26508</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>See attached list.</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 108</u>	Name <u>n/a</u>
<u>Gormanian, WV 26720</u>	Address _____
Telephone <u>304-546-8171</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	<u>Consol Gas Company</u>	
By:	<u>Craig Neal</u>	<i>Craig Neal</i>
Its:	<u>VP Northern App Gas Ops</u>	
Address	<u>1000 Consol Energy Drive</u>	<b>Received</b>
	<u>Canonsburg, PA 15317</u>	<b>Office of Oil &amp; Gas</b>
Telephone	<u>1-724-485-3116</u>	<b>JUN 22 2015</b>

Subscribed and sworn before me this May ~~day~~ 29, 2015

My Commission Expires March 23 2018

Notary Public *Mary Thieret*

**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).

WW-4A Attachment

NB Thompson #7124 API# 47-061-0568

Coal Owner(s) with Declaration:

Odis J. Rogers 2538 Blake Trail Wilmington, NC 28909	✓	1/3
Bertha M. Phillips Estate c/o Byron E. Phillips 6305 Indian Path San Angelo, TX 76901-4917	✓	2/9
JPMorgan Chase, Trustee Gore-Morris Trust PO Box 659 Wichita Falls, TX 76307-0659	✓	2/9
Benjamin G. Reeder Estate PO Box 842 Morgantown, WV 26507-0842	✓	2/9

Received  
Office of Oil & Gas  
JUN 22 2015

07/31/2015

WW-9  
(2/15)

API Number 47 - 061 - 0568

Operator's Well No. NB Thompson #7124

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Consol Gas Company OP Code 494495754

Watershed (HUC 10) Deckers Creek Quadrangle Masontown

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: N/A

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_ )

Will closed loop system be used? If so, describe: Closed loop system utilized to tank for storage

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

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Hauled off site for disposal

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

-Landfill or offsite name/permit number? Hauled fluid/mud to Consol Impoundment: ID# CRD30020701 Area 3

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature *Craig Neal* Received  
Office of Oil & Gas  
JUN 22 2015

Company Official (Typed Name) Craig Neal

Company Official Title VP Northern App Gas Ops, Consol Gas Company

Subscribed and sworn before me this 29 day of May, 2015

*Mary T. Thieret*  
My commission expires March 23, 2018

Notary Public  
COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Mary T. Thieret, Notary Public  
Cecil Twp., Washington County  
My Commission Expires March 23, 2018  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

07/31/2015



Consol Gas Company

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

**Temporary**

**Permanent**

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

*Hayme J. Kirtner*

Comments:

*Reclaim site ASAP.*

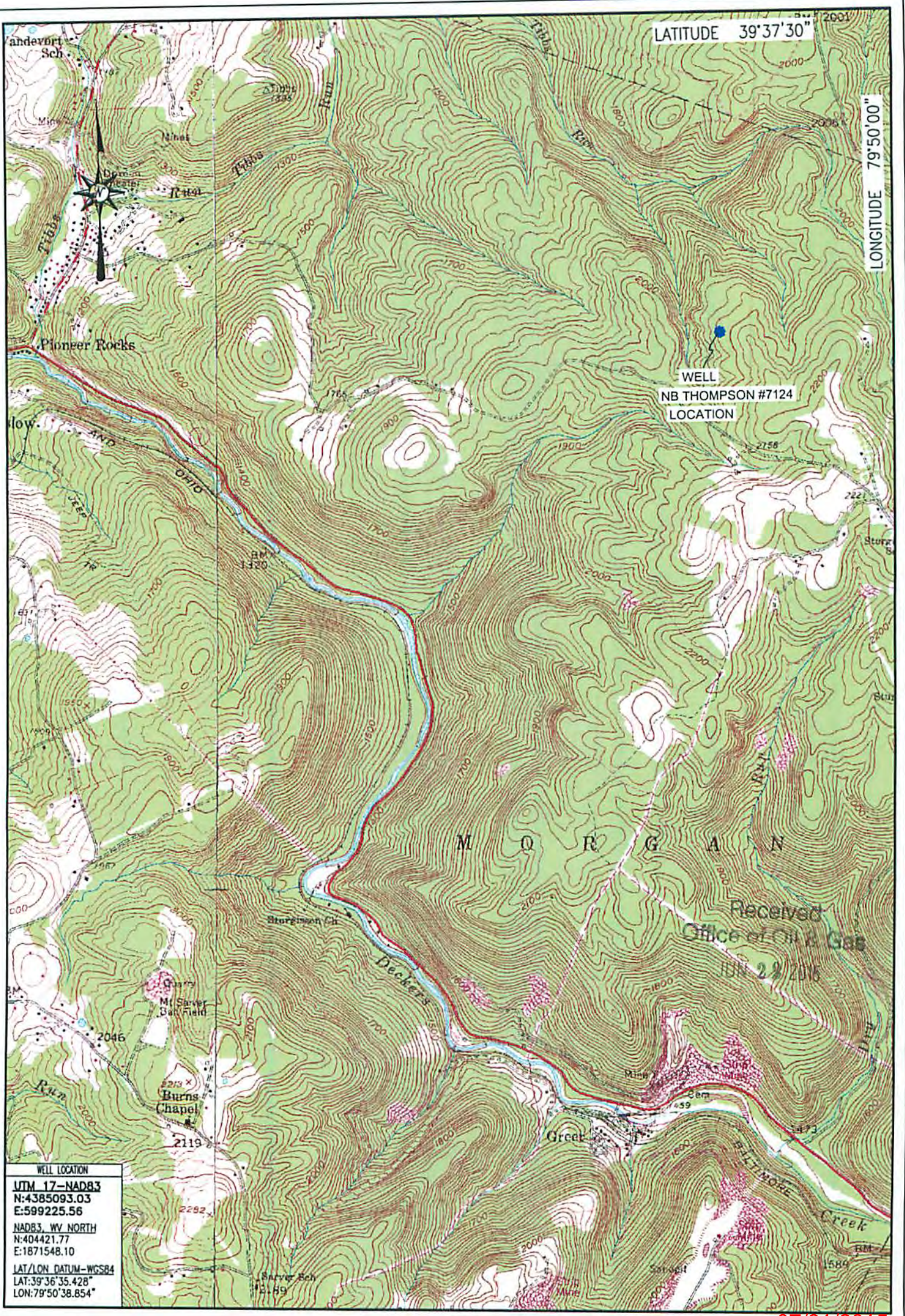
Received  
Office of Oil & Gas  
JUN 22 2015

Title: Inspector

Date: 6/8/2015

Field Reviewed? (  ) Yes (  ) No

6100568P



LATITUDE 39°37'30"

LONGITUDE 79°50'00"

WELL  
NB THOMPSON #7124  
LOCATION

Received  
Office of Oil & Gas  
JUN 22 2015

WELL LOCATION  
 UTM 17-NAD83  
 N:4385093.03  
 E:599225.56  
 NAD83, WY NORTH  
 N:404421.77  
 E:1871548.10  
 LAT/LON DATUM-WGS84  
 LAT:39°36'35.428"  
 LON:79°50'38.854"

07/31/2015

LOCATION MAP  
MAY 28, 2015

**Blue Mountain Inc.**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 28562  
 PHONE: (304) 662-6486

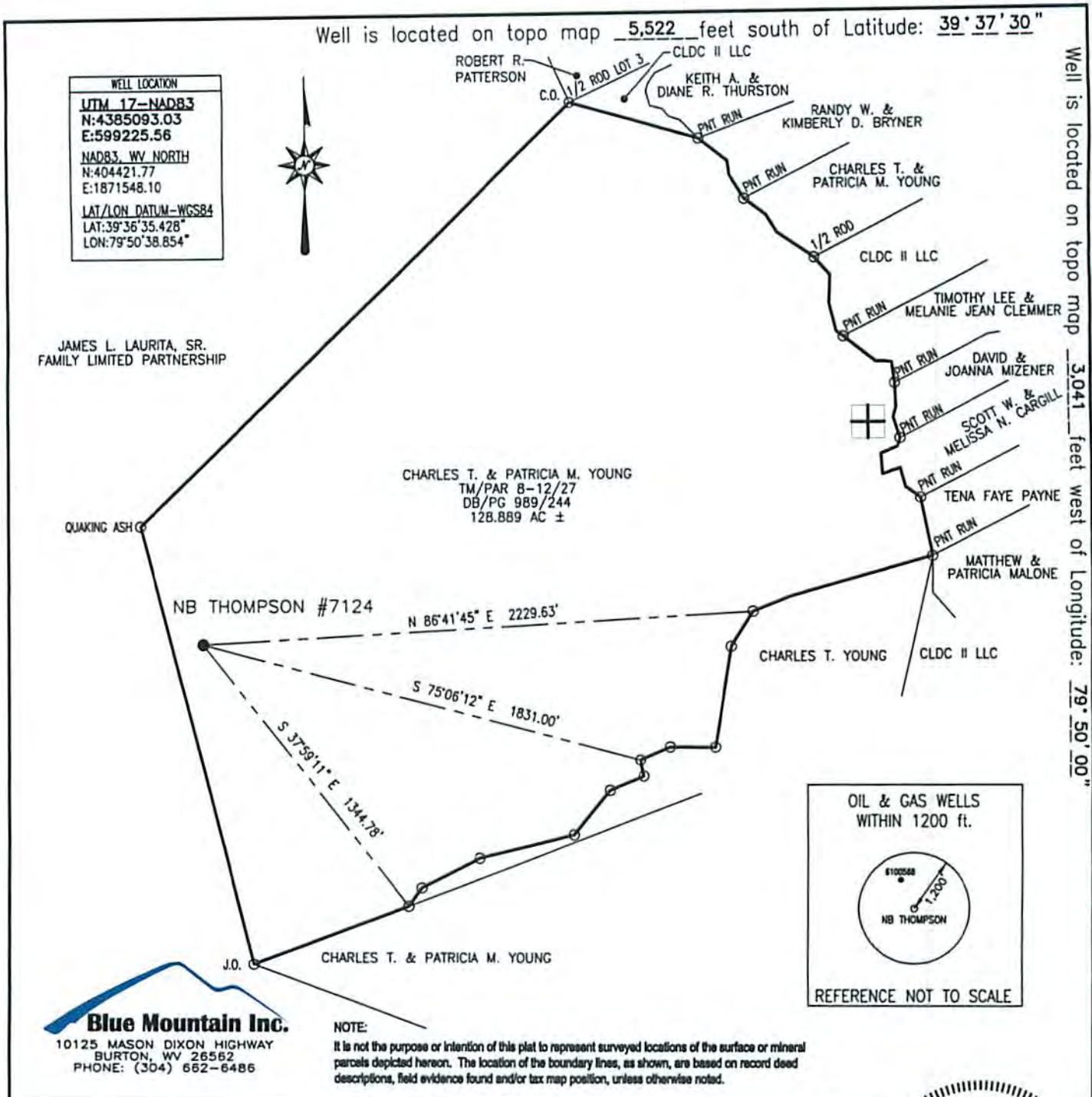
NB THOMPSON #7124  
MASONTOWN QUADRANGLE  
WEST VIRGINIA

SCALE 1" = 2000'  
2000' 4000' 6000'



**BLUE MOUNTAIN ENGINEERING**

61005687

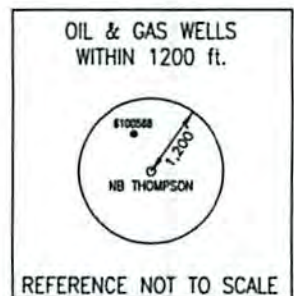


**WELL LOCATION**  
 UTM 17-NAD83  
 N:4385093.03  
 E:599225.56  
 NAD83, WV NORTH  
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 E:1871548.10  
 LAT/LON DATUM-WGS84  
 LAT:39°36'35.428"  
 LON:79°50'38.854"

JAMES L. LAURITA, SR.  
 FAMILY LIMITED PARTNERSHIP

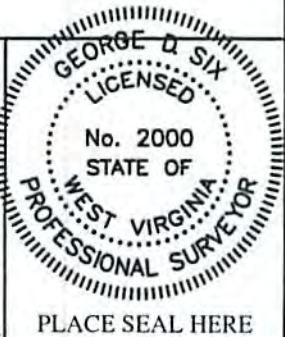
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**NOTE:**  
 It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



FILE #: NB THOMPSON #7124  
 DRAWING #: NB THOMPSON #7124  
 SCALE: 1" = 600'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: *[Signature]*  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



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



DATE: MAY 28, 2015  
 OPERATOR'S WELL #: NB THOMPSON #7124  
 API WELL #: 47-061-00568P  
 STATE COUNTY PERMIT

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

WATERSHED: DECKERS CREEK ELEVATION: 2079.55'

COUNTY/DISTRICT: MONONGALIA / MORGAN QUADRANGLE: MASONTOWN, WV 7.5'

SURFACE OWNER: CHARLES T. & PATRICIA M. YOUNG ACREAGE: 128.889±

OIL & GAS ROYALTY OWNER: \_\_\_\_\_ ACREAGE: \_\_\_\_\_

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

TARGET FORMATION: ORISKANY ESTIMATED DEPTH: 8,144'±

WELL OPERATOR CONSOL GAS COMPANY DESIGNATED AGENT CRAIG NEAL  
 Address 1000 CONSOL ENERGY DRIVE Address 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

07/31/2015

Received  
 Office of Oil & Gas  
 JUN 22 2015

Well is located on topo map 5,522 feet south of Latitude: 39° 37' 30"

Well is located on topo map 3,041 feet west of Longitude: 79° 50' 00"

**WELL LOCATION**  
**UTM 17-NAD83**  
**N:4385093.03**  
**E:599225.56**  
 NAD83\_WV\_NORTH  
 N:404421.77  
 E:1871548.10  
 LAT/LON\_DATUM-WGS84  
 LAT:39°36'35.428"  
 LON:79°50'38.854"



JAMES L. LAURITA, SR.  
 FAMILY LIMITED PARTNERSHIP

QUAKING ASH

NB THOMPSON #7124

CHARLES T. & PATRICIA M. YOUNG  
 TM/PAR 8-12/27  
 DB/PG 989/244  
 128.889 AC ±

N 86°41'45" E 2229.63'

S 75°06'12" E 1831.00'

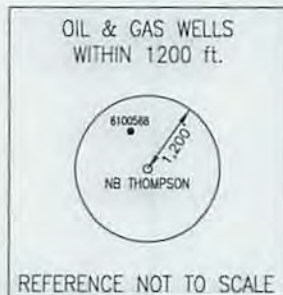
S 37°39'11" E 1344.78'

J.O.

CHARLES T. & PATRICIA M. YOUNG

CHARLES T. YOUNG

CLDC II LLC



**Blue Mountain Inc.**

10125 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

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DRAWING #: NB THOMPSON #7124

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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:

R.P.E.:

L.L.S.: P.S. No. 2000



PLACE SEAL HERE

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

OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: MAY 28, 2015

OPERATOR'S WELL #: NB THOMPSON #7124

API WELL #: 47 061 00568 P  
 STATE COUNTY PERMIT

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

WATERSHED: DECKERS CREEK ELEVATION: 2079.55'

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OIL & GAS ROYALTY OWNER: ACREAGE: 07/31/2015

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

TARGET FORMATION: ORISKANY ESTIMATED DEPTH: 8,144'±

WELL OPERATOR CONSOL GAS COMPANY

DESIGNATED AGENT CRAIG NEAL

Address 1000 CONSOL ENERGY DRIVE

Address 1000 CONSOL ENERGY DRIVE

City CANONSBURG State PA Zip Code 15317

City CANONSBURG State PA Zip Code 15317