



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

Wednesday, December 06, 2017
WELL WORK PERMIT
Vertical / Plugging

CONSOL GAS COMPANY
1000 CONSOL ENERGY DRIVE

CANNONSBURG, PA 163176506

Re: Permit approval for WV 7096
47-061-00323-00-00

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: WV 7096
Farm Name: HART, LOIS
U.S. WELL NUMBER: 47-061-00323-00-00
Vertical / Plugging
Date Issued: 12/6/2017

Promoting a healthy environment.

12/08/2017

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.

4706100323P
1) Date _____, 2017
2) Operator's
Well No. 7096
3) API Well No. 47-061 - 00323

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

5) Location: Elevation 638.154 METERS Watershed HEADWATERS DECKERS CREEK
District MORGAN County Monongalia Quadrangle MASONTOWN


6) Well Operator Consol Gas Company 7) Designated Agent Christopher Turner
Address 1000 Consol Energy Drive Address P.O. Box 1248
Canonsburg, PA 15317 Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Gayne J Knitowski Name Coastal Drilling East LLC
Address P.O. Box 108 Address 70 Gums Springs Road
Gormanian WV 26720 Morgantown, WV 26508

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

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

Work order approved by inspector  Date 10/10/2017

12/08/2017

Hart, Lois #7096

Morgan, Monongalia County WV
 Original Completion: 10/19/1970
 API# 47-061-00323
 Elevation = 2098'

Procedure:

1. Load Hole/Kill Well, Pump 6% gel if necessary
2. RIH with Bond Tool to verify TD, log out to verify 4 1/2" TOC (4 1/2" Casing Float @ 8313')
3. TIH with 2 3/8" Workstring and load the well with 6% Gel
4. Pump an 800' Class A Cement Plug from TD to 7500', POOH (3700') to a depth of 3800' and pump a 1500' Class A Cement plug from 3800' to 4 1/2" TOC found from Bond log
5. Verify TOC
6. RIH Jet Cut/Collar Bust 4 1/2" Casing above Bottom Hole Plug
7. Attempt to pull 4 1/2" Casing *at a min. of 1 1/2 x string weight*
 - a. If unable to pull run bond long/free point and cut where free
8. TIH with 2 3/8" Workstring to TOC and set Class A Cement Plug from TOC to surface
 - a. *This plug will cover Elevation @ 2098'*
9. Install monument with Well Name, API#, & Company Name. Monument must extend 30" min. above ground level and be 6" in diameter.

10.) Return site ASAP

NOTE: All Cement plugs will be Class A Cement, All Spacers between wells will be 6% Gel, Any casing unable to be recovered will be perforated every 100' with 4 shots and 100' cement plugs will be set to cover all cut points.

If it becomes necessary to deviate from this method, approval from the WV DEP Oil & Gas Division will be obtained before proceeding.

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Work Order approved by Inspector: *Maureen J. Kuntz*

Date: *10/10/2017*

WR-35
Rev (5-01)

DATE: 11/12/2003
API #: 47 06103239F

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

M. B.

Well Operator's Report of Well Work

Farm name: Hart, Lois Operator Well No.: 7096

LOCATION: Elevation: 2098 ' Quadrangle: Masontown

District: Morgan County: Monongahelia
Latitude: 10,100 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 5,565 Feet West of 79 Deg. 50 Min. 00 Sec.

Company: Dominion Exploration & Production, Inc

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P O Box 1248 Jane Lew, WV 26378				
Agent: <u>Rodney J. Biggs</u>				
Inspector: <u>Terry Urban</u>				
Date Permit Issued: <u>08/18/2003</u>				
Date Well Work Commenced:				
Date Well Work Completed: <u>10/27/2003</u>				
Verbal Plugging: <u>N/A</u>		See existing	Previous Casing prog	WR-35 for
Date Permission granted on: <u>N/A</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rlg				
Total Depth (feet):				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				

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OPEN FLOW DATA

Riley 3640-3662'
Producing formation Balltown Pay zone depth (ft) 2770-2778'
Gas: Initial open flow Odor MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 94 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 600 psig (surface pressure) after 12 Hours

Second producing formation Speechley Pay zone depth (ft) 2508-2518'
Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d
Final open flow * MCF/d Final open flow * Bbl/d
Time of open flow between initial and final tests * Hours
Static rock Pressure * psig (surface pressure) after * Hours

*Commingled

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Rodney J. Biggs
By: Rodney J. Biggs
Date: 11/12/03

NOV 18 2003
WV Department of Environmental Protection

MONO 0323F

WELL 7096

10/27/2003 PERFED AND FRACED AS FOLLOWS:

RILEY, 3840 - 3882', 20 HOLES, BD 2050', AVG RATE 20 BPM, AVG PRESS 2286#, 420 BBLs,
TOT SAND 30,000#,
ISIP 1770#

BALLTOWN, 2770 - 2778', 20 HOLES, BD 4100#, AVG RATE 11 BPM, AVG PRESS 2284#, 324
BBLs, TOT SAND
20,500#, ISIP 1550#

SPEECHLEY, 2508 - 2518', 20 HOLES, BD 1885#, AVG RATE 17 BPM, AVG PRESS 2236#, 370
BBLs, TOT SAND
25,500#, ISIP 1510#

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LS

Form: WW - 2B

61-00323F

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

1) Well Operator Dominion Exploration & Production, Inc. 61 6 461
Operator ID County District Quadrangle

2) Operator's Well Number: 7096 Rework 3) Elevation: 2098'

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



5) Proposed Target Formation(s): Speechley, Balltown, Riley

6) Proposed Total Depth: 2508, 2716, 3624 Feet

7) Approximate fresh water strata depths: N/A

8) Approximate salt water depths: N/A

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work Squeeze cement to cover proposed intervals. Perforate & frac proposed zones. Clean well up. Comingle with existing production.

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13.375			22	22	CTS
Fresh Water	9.625			1212	1212	CTS
Coal						
Intermediate						
Production	4.50		11.6	8313	8313	150 sks
Tubing						
Liners						

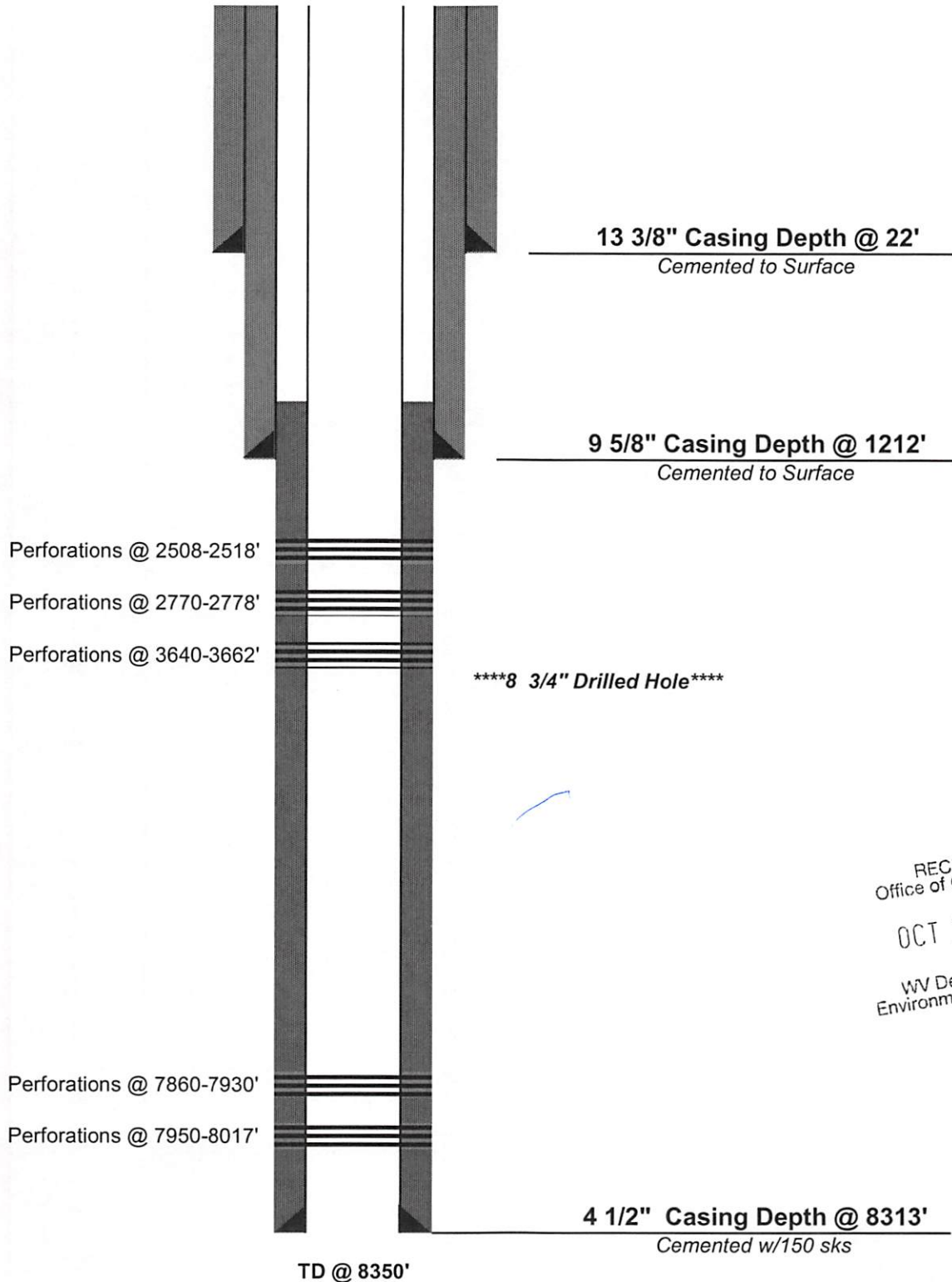
MS

Packers: Kind
 Sizes
 Depths Set

350

4706100323

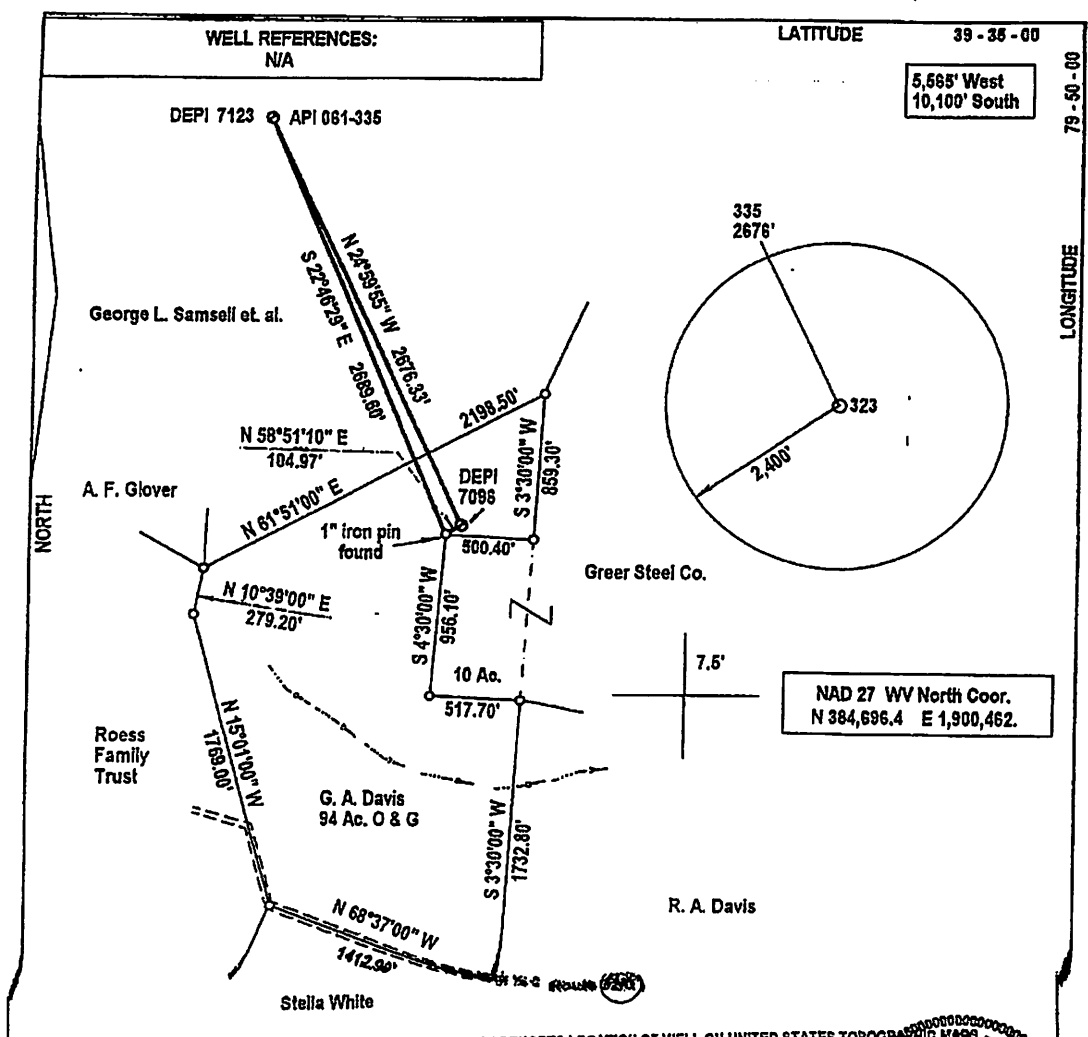
Hart, Lois #7096
Morgan, Monongalia County WV
Original Completion : 10/19/1970
API # 47-061-00323
Elevation = 2098'



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

<p>FILE NUMBER: <u>M 23 P 15</u></p> <p>DRAWING NUMBER: _____</p> <p>SCALE: <u>1" = 800'</u></p> <p>MINIMUM DEGREE OF ACCURACY: _____</p> <p>PROVEN SOURCE OF ELEVATION: <u>GPS Survey (submeter)</u></p>	<p>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 ENERGY.</p> <p style="text-align: center;">(SIGNED) <i>J. Michael Evans</i> J. Michael Evans, PS 900</p>	<p style="text-align: center;">J. MICHAEL EVANS LICENSED STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR PLACE SEAL HERE</p>
<p>STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS 810 McJUNKIN ROAD NITRO, WV 25142-2606 FORM WV-6</p>	<p>LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26330 PHONE: 304-842-2018 OR 842-8762</p>	<p>DATE: <u>July 10, 2003</u></p> <p>OPERATORS WELL NO.: <u>DEPI 7098</u></p> <p>API WELL NO. <u>47-061-00323 F</u></p> <p>STATE COUNTY PERMIT</p>
<p>WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/></p> <p>(IF "GAS") PRODUCTION <input type="checkbox"/> STORAGE <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/></p> <p>LOCATION: ELEVATION <u>2,098'</u> WATERSHED <u>Back Run</u></p> <p>DISTRICT <u>Morgan</u> COUNTY <u>Monongalia</u></p> <p>QUADRANGLE <u>Masontown</u></p> <p>SURFACE OWNER <u>Lois Hart</u> LEASE NUMBER <u>124688</u></p> <p>OIL & GAS ROYALTY OWNER <u>G. A. Davis</u> ACREAGE <u>73.018</u></p> <p>LEASE ACREAGE <u>94</u></p> <p>PROPOSED WORK: DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/></p> <p>PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE (SPECIFY) <u>REWORK</u></p> <p>TARGET FORMATION <u>Balltown, Riley</u> ESTIMATED DEPTH <u>3624'</u></p> <p>WELL OPERATOR <u>DOMINION EXPLORATION & PRODUCTION, INC. DESIGNATED AGENT</u> <u>Rodney J. Biggs</u></p> <p>ADDRESS <u>P. O. Box 1248, Jane Lew, WV 26378</u> ADDRESS <u>P. O. Box 1248, Jane Lew, WV 26378</u></p>		

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Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Rotary
Spudder
Cable Tools
Storage c. NO. 1

Quadrangle MORGANTOWN

WELL RECORD

Permit No. MOV-323

Oil or Gas Well Gas
(KIND)

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm O. Hart B-1 Acres 94
Location (waters) _____
Well No. 10963 Elev. 2098
District Morgan County Monongalia
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	22	22	Size of
9 5/8"	1212	1212	Depth set
8 1/4			
6 3/4			
5 3/16			
4 1/2	8313	8313	
3			Perf. top 7860
2			Perf. bottom 7930
Liners Used			Perf. top 7956
			Perf. bottom 8017

Drilling commenced 10-05-70
Drilling completed 10-19-70
Date Shot Not Shot From _____ To _____
With _____
Open Flow 1/10ths Water in _____ Inch
1/10ths Merc. in _____ Inch
Volume 381,000 (Natural) Cu. Ft.
Rock Pressure 3050 lbs. 24 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No

Attach copy of cementing record. 9" & 13" to surface
CASING CEMENTED. SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) 4 1/2" with 150 bags
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED (DETAILS) 10-24-70 with 1000 bbl. water, 1000 gal. 28% acid, 30,000# sand, 1000# walnut hulls and 4000 hbp.
RESULT AFTER TREATMENT (Initial open flow or bbls.) 3,160,000 cubic feet
ROCK PRESSURE AFTER TREATMENT 2600 psi 7 days
Fresh Water None recorded Feet _____ Salt Water None Feet _____
Producing Sand Chart & Oriskany Depth (See log below)

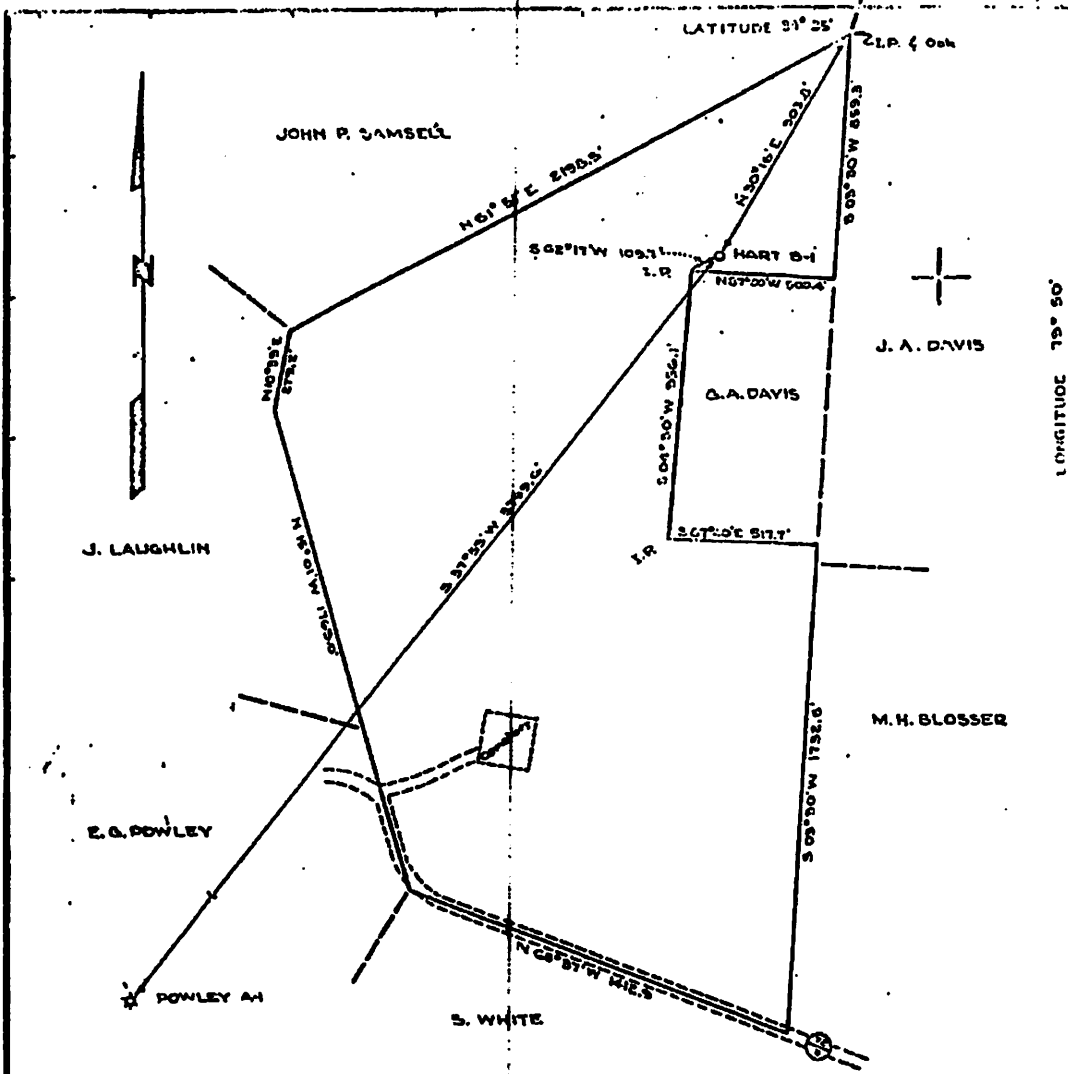
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
This Record made from Gamma Ray Log					Water	115	
Little Lime			517	533			
Big Lime			570	786			
Weir			882	1008			
50' Sand			1147	1255			
4th Sand			1704	1732			
5th Sand			1760	1795			
Bayard			1845	1881			
Speechley			2499	2519	Gas	2514-18	
Balltown			2714	2778	Gas	2772-77	
Riley			3619	3672	Gas	3634-42	
Benson			3824	----			
Tully			7270	7309			
Onondaga			7837	7855			
Chert			7855	8088			
Oriskany			8088	8156	Gas	8012'	381 M
Helderberg			8156				
Total Depth				8350'			

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FEB 16 1971

(over)

12/08/2017



NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by Paragraph 5 of the rules and regulations of the Oil and Gas Section of the mining laws of West Virginia."

Edward C. Caswell
 EDWARD C. CASWELL
 TEXAS REG. NO. 5555

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COMPANY Consolidated Gas Supply Corp.
~~PHILLIPS PETROLEUM COMPANY~~
Clarksburg, West Va.
~~BARTLETTVILLE, KYLANOUE~~

ADDRESS _____

FARM Q. HART

TRACT _____ ACRES 94.95 LEASE NO. 124655

WELL FARM NO. 51 SERIAL NO. 10965

ELEVATION (SPIRIT LEVEL) 2095.5'

QUADRANGLE MORGANTOWN

COUNTY MONONGALIA DISTRICT MORGAN

ENGINEER Edward C. Caswell

ENGINEER'S REGISTRATION NO. 5555-TEXAS

FILE NO. _____ DRAWING NO. _____

DATE _____ SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES

OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. MON-309
TRANSFERRED TO - MON-323

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
7096

3) API Well No.: 47 - 061 - 00323

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>TIMOTHY LEE & LUCINDA K HART</u>	Name <u>N/A</u>
Address <u>149 MCKINNEY CAVE RD</u>	Address _____
<u>MORGANTOWN WV 26508</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Unknown</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Gayne J 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>	_____

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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.

COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Lori L. Walker, Notary Public Richhill Twp., Greene County My Commission Expires Feb. 23, 2019 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES	Well Operator	Consol Gas Company
	By:	Sarah Weigand <i>Sarah Weigand</i>
	As:	Permitting Manager
	Address	1000 Consol Energy Drive
	Telephone	Canonsburg, PA 15370 724-485-3244

Subscribed and sworn before me this 28th day of September 2017
Lori L. Walker Notary Public
My Commission Expires February 23, 2019

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 depprivacyoffier@wv.gov.

WW-9
(5/16)

4706100323P

API Number 47 - 061 - 00323
Operator's Well No. _____

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) HEADWATERS 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: _____

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 Waste Management or Ryan Environmental will use vacuum trucks, and properly dispose of any fluid or waste returns)

Will closed loop system be used? If so, describe: no

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

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

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Additives to be used in drilling medium? na

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

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

-Landfill or offsite name/permit number? _____

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 Sarah Weigand
Company Official (Typed Name) Sarah Weigand

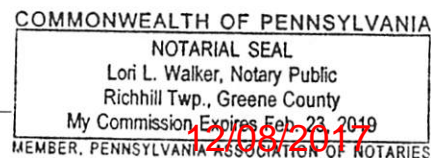
Company Official Title Permitting Manager

Commonwealth of Pennsylvania County of Greene

Subscribed and sworn before me this 28th day of September, 2017

Joni L. Walker Notary Public

My commission expires February 23, 2019



Operator's Well No. _____

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	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino 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.

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Plan Approved by: Mary J. Kintner

WV Department of
Environmental Protection

Comments:

- Reclaim site ASAP
- Install soil erosion measures along access road and well site as needed

Title: Inspector

Date: 12/10/2017

Field Reviewed? () Yes () No

47061003238

THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

LEGEND

- --- --- - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE

SAND BANK ROAD
SPEED LIMIT 25
(CR 72/2)

ENTRANCE
LAT: 39.559445°
LONG: 79.846992°

HART 7096 WELL
LAT: 39.555767°
LONG: 79.852793°

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OCT 12 2017

WV Department of
Environmental Protection

DRAWINGS TO ACCOMPANY FORM WW-9

CONSOL GAS COMPANY

200 HALLAM ROAD

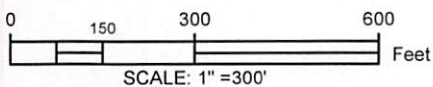
WASHINGTON, PA 15301

WATERSHED: HEADWATERS DECKERS CREEK

DISTRICT: MORGAN COUNTY: MONONGALIA

QUADRANGLE: MASONTOWN WELL NO: HART 7096

DATE: 07/21/2017 PAGE 1 OF 4



12/08/2017

THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

LEGEND

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE

SIGHT DISTANCE LIMIT
SPEED LIMIT: 25 MPH
REQUIRED DISTANCE - 173.0'
MEASURE DISTANCE - 388.0'

SAND BANK ROAD
SPEED LIMIT 25
(CR 72/2)

GATE

ENTRANCE
LAT: 39.559445°
LONG: 79.846992°

SIGHT DISTANCE LIMIT
SPEED LIMIT: 25 MPH
REQUIRED DISTANCE - 173.0'
MEASURE DISTANCE - 452.0'

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Office of Oil and Gas

OCT 12 2017

WV Department of
Environmental Protection

ACCESS ROAD

DRAWINGS TO ACCOMPANY FORM WW-9

CONSOL GAS COMPANY

200 HALLAM ROAD

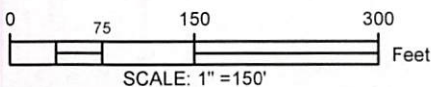
WASHINGTON, PA 15301

WATERSHED: HEADWATERS DECKERS CREEK

DISTRICT: MORGAN COUNTY: MONONGALIA

QUADRANGLE: MASONTOWN WELL NO: HART 7096

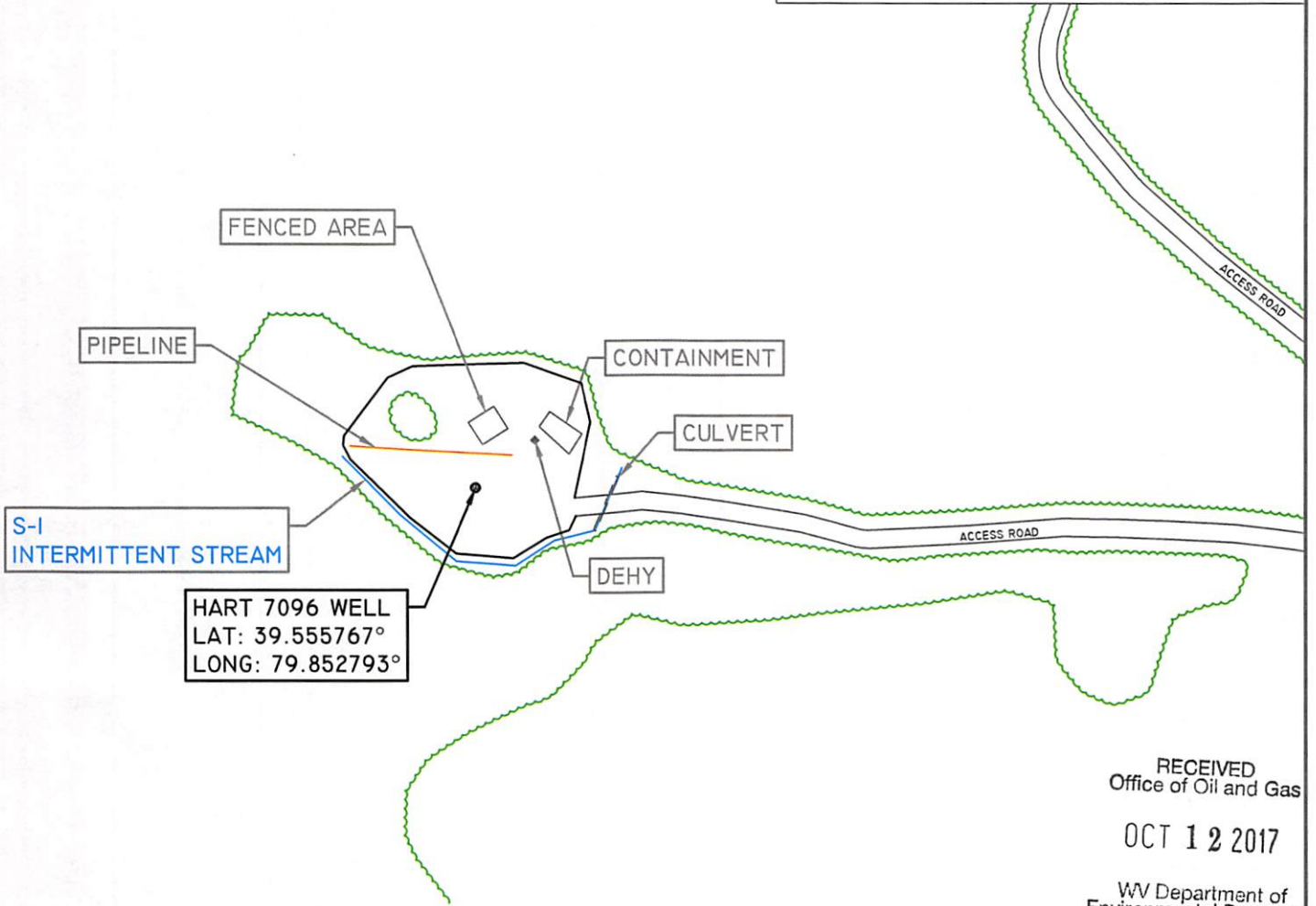
DATE: 07/21/2017 PAGE 2 OF 4



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL. ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD. ROCK WILL BE USED WHERE NECESSARY.

LEGEND

- — — — — - EXISTING ROAD
- ~~~~~ - EXISTING TREE LINE



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DRAWINGS TO ACCOMPANY FORM WW-9

CONSOL GAS COMPANY

200 HALLAM ROAD

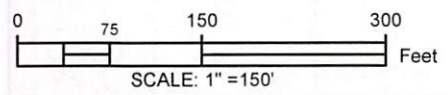
WASHINGTON, PA 15301

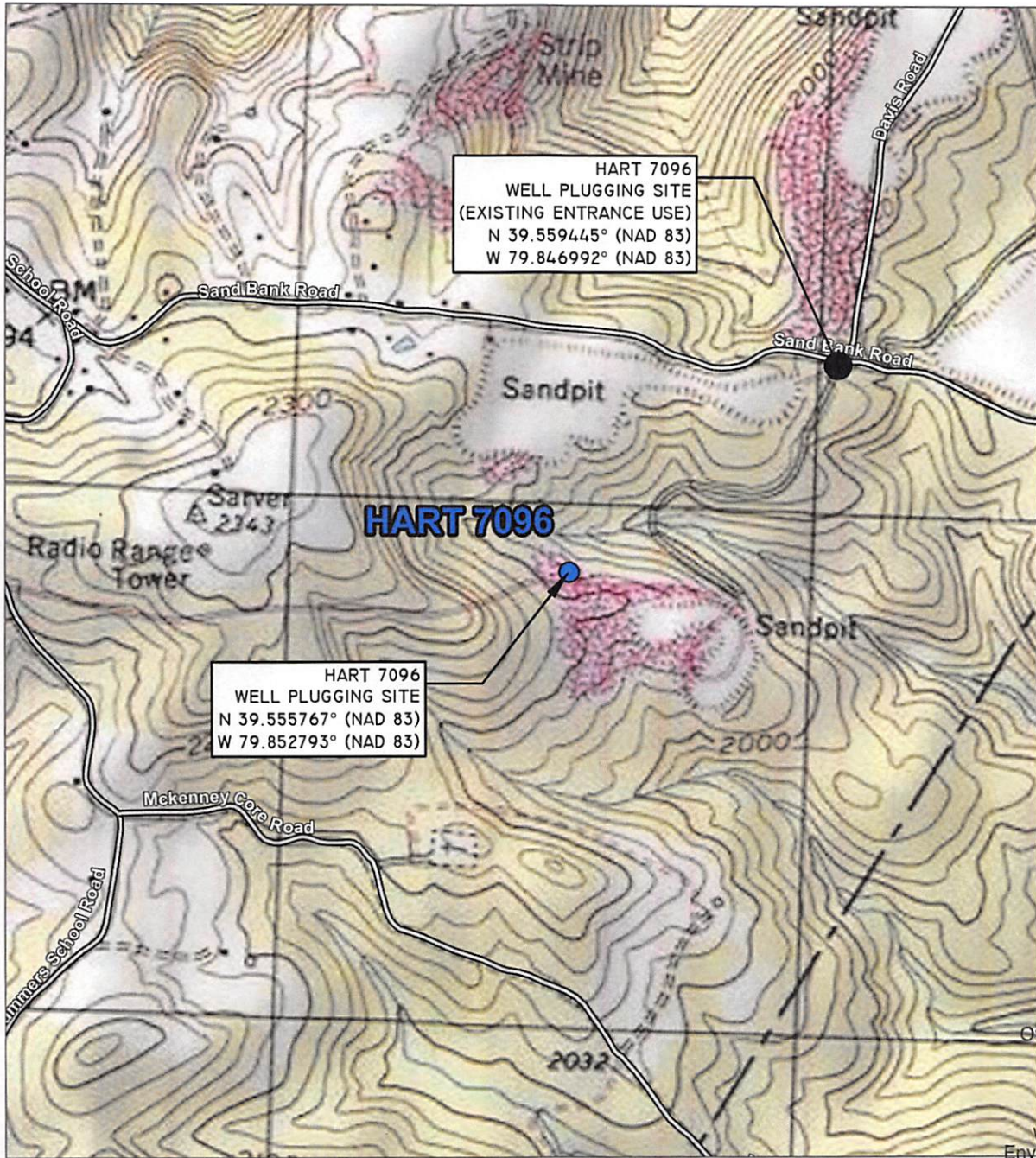
WATERSHED: HEADWATERS DECKERS CREEK

DISTRICT: MORGAN COUNTY: MONONGALIA

QUADRANGLE: MASONTOWN WELL NO: HART 7096

DATE: 07/21/2017 PAGE 3 OF 4





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Environmental Protection

LOCATION MAP
MASON TOWN, WV 7.5M USGS QUADRANGLE
SCALE: 1"=1000'



Engineers and Land Surveyors
Woman Owned Small Business

11023 Mason Dixon Hwy.
Burton, WV 26562-9656
(304) 662-6486

LOCATION MAP
GAS WELL PLUGGING
HART 7096 GAS WELL
MORGAN DISTRICT
MONONGALIA COUNTY, WV
CONSOL GAS COMPANY
200 HALLAM ROAD
WASHINGTON, PA 15301

DRAWN BY: LLF
CHECKED BY: WPF
DATE: 07/21/2017
SCALE: 1"=1000'
WATERSHED: HEADWATERS DECKERS CREEK
PAGE 4 OF 4

WW-7
8-30-06



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

API: 47-061-00323 WELL NO.: 7096
 FARM NAME: Hart
 RESPONSIBLE PARTY NAME: Sarah Weigand / CONSOL GAS COMPANY
 COUNTY: Monongalia DISTRICT: Morgan
 QUADRANGLE: Masontown
 SURFACE OWNER: TIMOTHY LEE & LUCINDA K HART
 ROYALTY OWNER: G. A. DAVIS
 UTM GPS NORTHING: 4,379,081.995 METERS (2093.13')
 UTM GPS EASTING: 598,558.116 METERS GPS ELEVATION: 638.154 METERS

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.

Sarah Weigand Permitting Manager
Signature Title

9/28/17
Date

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