

06/07/2019



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Friday, June 7, 2019

WELL WORK PLUGGING PERMIT
Vertical Plugging

PEOPLES GAS WV LLC
375 NORTH SHORE DRIVE SUITE 600

PITTSBURGH, PA 15212

Re: Permit approval for 4423
47-033-01669-00-00

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.

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. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: 4423
Farm Name: SAMUEL A. GUARASCIO ET⁺
U.S. WELL NUMBER: 47-033-01669-00-00
Vertical Plugging
Date Issued: 6/7/2019

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

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.

47-0 06/07/2019

WW-4B
Rev. 2/01

1) Date April 3, 2019
2) Operator's
Well No. 4423
3) API Well No. 47-22 - 100

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 ___ / ShallowX
- 5) Location: Elevation 1072.8 Watershed Shinns Run
District Clay-Outside County Harrison Quadrangle Shinnston
- 6) Well Operator Peoples Gas WV, LLC 7) Designated Agent Brett Hoover
Address 375 North Shore Drive Address 375 North Shore Drive
Pittsburgh, PA 15212 Pittsburgh, PA 15212
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name Contractor Services Inc. of WV
Address P.O. Box 2327 Address 929 Charleston Road
Buckhannon, WV 26201 Spencer, WV 25276

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

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

Work order approved by inspector [Signature] Date 4/18/2019

RECEIVED
Office of Oil and Gas
MAY 2 2019
WV Department of
Environmental Protection

Well Plugging Procedures for
Peoples Gas #4423 (HT Shinn)
API #033-01669

1. Move in, rig up. Blow down well to pit.
2. Run in hole with sound line and check T.D. (2165')
3. If 3" has not been pulled, load hole with water and run bond log to locate packer and determine if 3" is free.
4. If 3" is free, we will try to release packer (at 1608') and pull 3".
5. If packer will not release, run CBL to locate packer and perforate below packer.
6. Trip in hole with 1 1/2" cement string and set cement plug #1 from 2165' to 1600'. Trip out of hole.
7. Rig up wire line truck, run in hole; tag cement; and shoot off 3" tubing at top of packer. Pull tubing.
8. Trip in hole with 1 1/2" cement string and set cement plug #2 from 1600' to 1500'. Trip out cement string.
9. Wait 6 hours, run bond long 6 5/8"
10. Shoot and pull 6 5/8" casing.
11. Trip in hole; tag cement. Set cement plug #3 from 1500' to 500'. Trip out of hole.
12. Perforate 8 1/4" casing at 200' and 100' four shots each.
13. Trip in hole, tag cement, Set cement plug #4 from 500' to surface. Trip out of hole.
14. Set monument, move off, reclaim.
15. Any casing left in hole shall be perforated and Class A cement plugs set so as to cover fresh water, salt water, or oil and gas shows.

SPW
4/18/19

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

47-033-01669P
06/07/2019



"Pipeline"

Select County: **0331 Harrison** (Check All)

Enter Permit # **001669** Location Production Plugging

Get Data Owner/Completion Streetgraphly Sample

Pay/ShowMeter Logs Sam Hole Loc

[Table Description](#)
[County Code Terminology](#)
[Lease/Assignment Services](#)
[Contract Information](#)
[Disclaimers](#)
[WVGES Main](#)
[Pipeline/Prod. New](#)

WV Geological & Economic Survey: **Well: County = 33 Permit = 001669** Report Time: Friday, June 07, 2019 9:54:39 AM

Location Information: [View Map](#)
 API: **4703301669** COUNTY: **Harrison** PERMIT: **1669** DISTRICT: **unknown** TAX: **unknown** QUAD: **75** QUAD: **15** LAT: **DO** LON: **DO** UTM: **UTMN**

There is no Bottom Hole Location data for this well

Owner Information:
 API: **4703301669** CMP_DT: **12/23/1915** SUFFIX: **Original Loc** STATUS: **Completed** SURFACE_OWNER: **Shinn** WELL_NUM: **4423** CO_NUM: **4423** LEASE_NUM: **4423** MINERAL_OWN_OPERATOR: **Equitable Gas Co.** AT_COMPLETION_PROP_VD: **unknown** PROP_TROGT_FM: **TEM_EST_PR**

Completion Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER	QNTY
4703301669	12/23/1915	Pay	Gas	Vertical	1625	Big Injurn	2150	Foot	0	0	0	0		

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER	QNTY
4703301669	12/23/1915	Pay	Gas	Vertical	1625	Big Injurn	2150	Foot	0	0	0	0		

Production Gas Information: (Volumes in Mcf) * 2013 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRO_YEAR	ANM	GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703301669	Equitable Gas Co.	1981	4,353	596	538	994	269	149	288	298	298	298	298	298	149	0
4703301669	Equitable Gas Co.	1982	765	298	0	149	135	149	34	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1983	90	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1985	486	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1986	1,148	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1987	4,564	0	567	0	1,134	0	1,172	0	566	0	587	0	566	0
4703301669	Equitable Gas Co.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) ** 2013 data for H6A wells only. Other wells are incomplete at this time.

API	PRODUCING_OPERATOR	PRO_YEAR	ANM	OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4703301669	Equitable Gas Co.	1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1986	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1989	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitrans, L.P.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Gas Co.	1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4703301669	Equitable Production Company	2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0

There is no Production NGL data for this well ** some operators may have reported NGL under Oil - 2013 data for H6A wells only. Other wells are incomplete at this time.

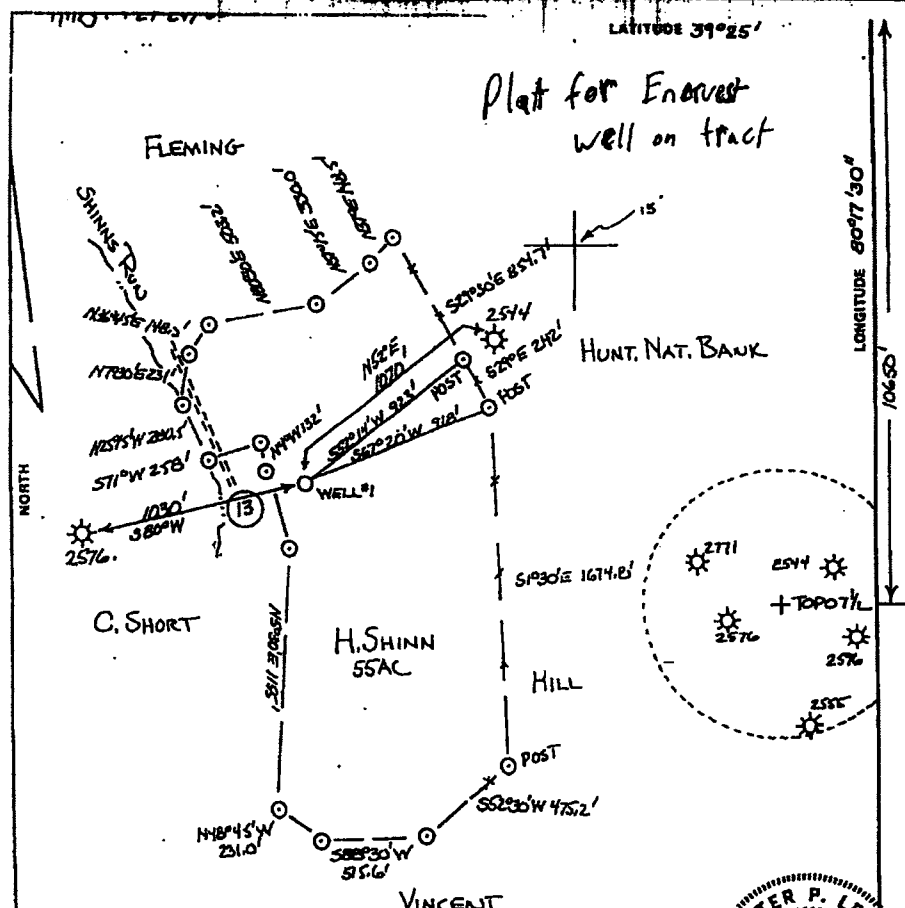
There is no Production Water data for this well

There is no Stratigraphy data for this well

There is no Wireline (E-Log) data for this well

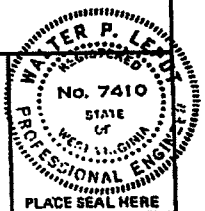
There is no Plugging data for this well

There is no Sample data for this well



FILE NO. 12-11-82
 DRAWING NO. 12-11-82
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY ± 1/200
 PROVEN SOURCE OF ELEVATION DE BARDSSE 1800' SOUTH (918)

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 MINES.
 (SIGNED) Walter P. Lepert
 R.P.E. 7410 L.L.S.



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE DEC 11, 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-033-2870-Frac
 STATE COUNTY PERMIT

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1075 WATER SHED SHINNS RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE SHINNSTOWN
 SURFACE OWNER Trust of Sam Guinnasio ACREAGE 55
 OIL & GAS ROYALTY OWNER HOWARD SHINN LEASE ACREAGE 55
 LEASE NO. _____
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REORILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Fifth Sand ESTIMATED DEPTH 2655'
 WELL OPERATOR ENOVEST OPERATING DESIGNATED AGENT JERRY JACKSON ING
 ADDRESS 270 DRAWER 1878 ADDRESS VA
CLARKS BURG, WV 26302 5146

HARR - 2870-FRAC

RECEIVED
 Office of Oil and Gas

MAY 2 2019

WV Department of
 Environmental Protection

F 252-0-19

Pittsburgh & West Virginia Gas Company.

H.H. Pigott, November 10th, 1941, 19
MR. W.E. [unclear], General Superintendent, Prod. & Transp.

Dear Sir:—Below please find report of repairs to

Well No. 4493 on H.J. Shinn Farm,
Clay District, Harrison County,

Cost of Repairing Rig—		Cost of Drilling Deeper:—	
Labor, . . .	\$ _____	Labor, . . .	\$ _____
Lumber, etc. . .	\$ _____	Hauling, . . .	\$ _____
Hauling, . . .	\$ _____	Fuel, . . .	\$ _____

Cost of Tubing and Packing Well—
2220 feet of 3 in. Tubing (new or old) at \$ _____ per ft., \$ _____
1 - 6-5/8 x 3" Packer Hook Wall set at 1615 Feet, \$ _____
31 Jts. 605 feet 3" Anchor, 1 - 3" Perforation 2220-2215
2nd. Perforation 2159 - 2140 Labor, \$ _____
1 - 3" Bull Plug in bottom of tubing Hauling, \$ _____

Depth before drilling deeper, _____ feet in _____ sand.
" after " " " "

Well completed Oct. 15th, 1941. Work done by Pgh. & West Va. Gas Co.

Last previous pressure taken Aug. 14th, 1941 in 2" inch hole:

1/2 Minute, . . .	0 lbs.	4 Minutes, . . .	0 lbs.
1 " . . .	"	5 " . . .	0 "
2 " . . .	"	10 " . . .	"
3 " . . .	"	Rock Pressure, . . .	"

First Pressure taken after being repaired in 3" inch hole:

1/2 Minute, . . .	1/2 lbs.	4 Minutes, . . .	4 lbs.
1 " . . .	1 "	5 " . . .	5 "
2 " . . .	2 "	10 " . . .	10 "
3 " . . .	3 "	Rock Pressure, . . .	198-15 Hrs.

Cause for repairs, Packer leaking and could not bail with Hart
bailing machine. 30/10 W 3/4" 22-400 F.M.

Remarks, _____

HJW

Respectfully,

Sup't *[Signature]* Division.

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

47-033-0169P
06/07/2019

WELL TEST REPORT
 Special Test Cleaning Bailing Swabbing Pumping Shooting
 Equitable Gas Company - W. Va. Div. Company WELL NO. 4423
 Lease No. 15206 Farm H. T. Shinn Acres 55 Map Clks. N. E. 4-3
 Twp. or Dist. Clay County Harrison State W. Va. Other wells on lease -
 Date completed 12-13-15 O.D.O.F. M. Cu. Ft. O.R.P. Producing sand Big Injun & 30'
 Gas at 1726 Volume factor 10.219 Tubed with 2165 ft. of 3 in.
 Packed at 1608 ft. With 6-5/8 X 3 inch Hook Wall Pat
 CASING RECORD: 10' - ft. 8 3/4" 230 ft. 6 5/8" 1505 5 1/2" -
 Total depth 2165 ft. Top of fluid at 1740 ft. Bridged at ft. Depth after this work 2140

OPEN FLOW AND MINUTE PRESSURE TESTS OF GAS FROM 3 INCH TUBING CASING

	"U" Tube Reading	M or W	Size Opening	Pitot or F.M.	Open Flow	L/P	1/2 Min.	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	R/P	Hrs.	Date
Before	Against Line Pressure	xxx	x	xxx	xx	xxx	39	40	40 1/2	41 1/2	43	44	45		
	From Atmosphere	6/10	W	3/4		10.06	1	1	1 1/2	2 1/2	3 1/2	4			
After	Against Line Pressure	xxx	x	xxx	xx	xxx	43	44	45	46	47	51	53	5	
	From Atmosphere	20/10	W	3/4		18.3M	1	2	3	4	5	6 1/2			

REMARKS (concerning wells condition, work done, machine used, etc.) Fluid 1740' bailed to 2140' with Machine 7006 Stout & Morris 1 da. 84 mi..

RECOMMENDATION

Amount Royalty \$ 50.00 Amount of free gas allowed per yr. - M Cu. ft. Amount used last 12 months - M Cu

	This Job	Total Previous	TOTAL EXPENSE LAST TWELVE MONTHS
EXPENSE: Cleaning.....	\$	\$	
Bailing.....	95.76		
Swabbing.....			\$ 313.44

Commenced work 8-30 19 74
 Completed work 8-30 19 74
 Date of this report 8-30 19 74
 Division Superintend.

Geologist's Recommendation
 Date 19
 Seeley

Land Agent's Report
 Date 19
 Land Agr

RECEIVED
 Office of Oil and Gas
 MAY 2 2019
 WV Department of Environmental Protection

SPECIAL TEST

47-033-01669P
06/07/2019
WY #4423
L.P. RD.
G.A.M.

Mr. H. C. Schneider
Operating Manager.

Dear Sir:

Please find below special test of Well No. 4423 ✓

H. T. Shinn Farm Clay District
Harrison County Clks. H.B. 4-1 Quadrangle.
Total Depth 2261 Measured to 2045
Producing Gas From Big Injun Gas 1605 Fifty Foot Gas 2165 Sand
Condition of Well Wet, water at 1755, will bail soon.

Open Flow: 8/10 Water - In 2" Opening. 134-m
~~Mercury~~

Test from Atmosphere:	<u>2"</u>		Mercury		Tubing Mercury			
	<u>1/2</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>10</u>	<u>20</u>
	<u>8</u>	<u>13</u>	<u>17</u>	<u>23</u>	<u>28</u>	<u>33</u>	<u>55</u>	<u>95</u>

Test Against Line Pressure:

L.P.	<u>1/2</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>10</u>	<u>20</u>
	<u>48</u>	<u>52</u>	<u>55</u>	<u>57</u>	<u>61</u>	<u>63</u>	<u>66</u>	<u>82</u>
								<u>105</u>

Rock Pressure 189 Lbs. 24 Hours.

Royalty \$150.00

Recommendation No free gas used account this well.

Date 4-11-1929.

CK.

(Signed) [Signature]
Supt., Division

47-033-01669

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

47-033-01669P

06/07/2019



RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

47-033-01669P

06/07/2019

5/19/2019

WVDEP Office of Oil & Gas Well Locations

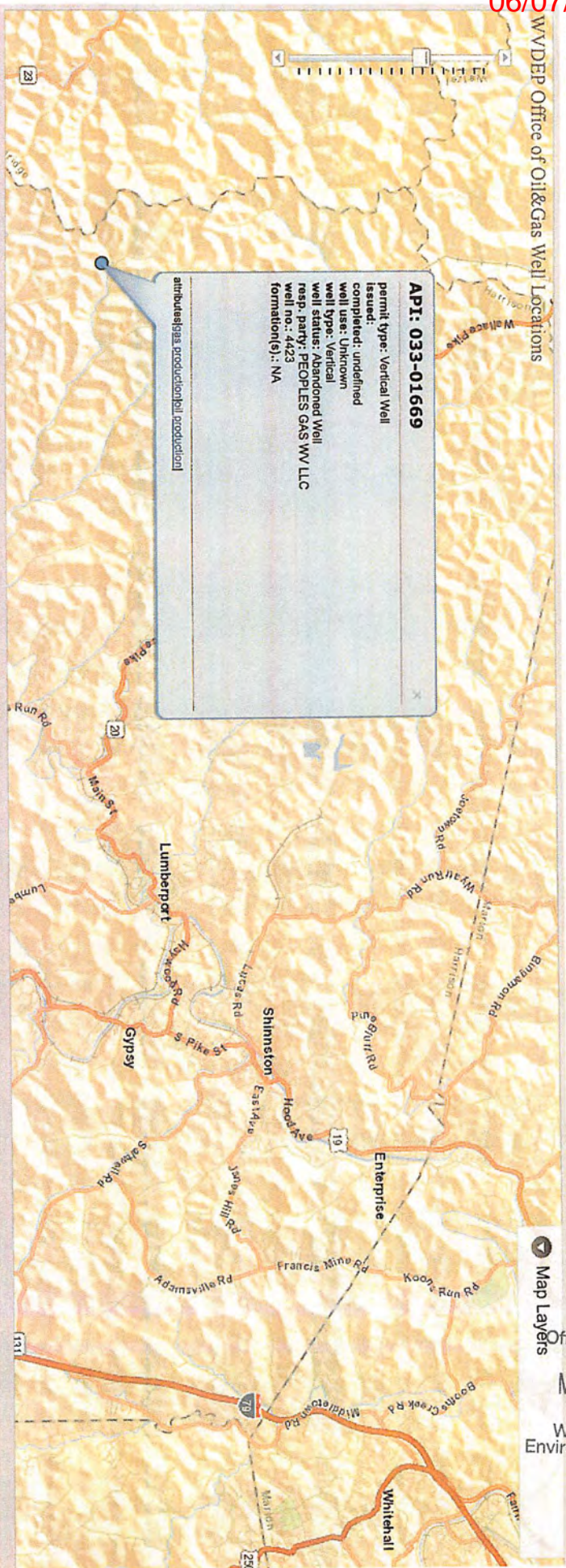
WVDEP Oil & Gas Well Information

Map Layers

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection



API: 033-01669

permit type: Vertical Well
 issued:
 completed: undefined
 well use: Unknown
 well type: Vertical
 well status: Abandoned Well
 resp. party: PEOPLES GAS WV LLC
 well no.: 4423
 formation(s): NA

attributes: gas, productional, productional

1 DEP Wrong location 1

#	API	Permit Type	Issued	Operator	Well Status	Well Type	Well Use	Well Number	Lat	Lon	Formation
1	033-01669	Vertical Well	Unknown	PEOPLES GAS WV LLC	Abandoned Well	Vertical	Unknown	4423	39.363334	-80.523636	NA

http://aagis.dep.wv.gov/oog/

06/07/2019

SPECIAL WELL TEST REPORT
FORM 679-17211

Special Test Cleaning Bailing Swabbing Pumping Shooting

Equitable Gas Company - W. Va. Div. Company WELL NO. 4423

Use No. 15206 Farm H. T. Shinn Acres 55 Map Clks. N. E. 4-3

Twp. or Dist. Clay County Harrison State W. Va. Other wells on lease _____

Date completed 12-13-15 D.O.F. _____ M. Cu. Ft. O.R.P. _____ Producing sand Big Injun & 30'

Gas at 1726 Volume factor 10.219 Tubed with 2165 ft. of 3 in. the

Packed at 1608 ft. With 6-5/8 x 3 inch Hook wall Pack a

CASING RECORD: 10" _____ ft. 8 1/4" 230 ft. 6 3/4" 1505 5 1/2" _____

Total depth ~~1205~~ 2205 ft. Top of fluid at 1940 ft. Bridged at _____ ft. Depth after this work _____ ft

OPEN FLOW AND MINUTE PRESSURE TESTS OF GAS FROM 3 INCH TUBING CASING

	4 1/2" Tube Reading	M or W	Size Opening	Pitot or F.M.	Open Flow	L/P	1/2 Min.	1 Min.	2 Min.	3 Min.	4 Min.	5 Min.	R/P	Hrs.	Date
Before	Against Line Pressure	xxx	x	xxx	xx	xxx									
	From Atmosphere					Shut in									
After	Against Line Pressure	xxx	x	xxx	xx	xxx	22	24	27	30	32	35	38		
	From Atmosphere	70/10	W	1		62.3M	1 1/2	4	8	11	14	17			

REMARKS (concerning wells condition, work done, machine used, etc.) Fluid 1940', Tried to fish out 3' bailer, but not able to fish out, used latch jack, went to 2213'. Swabbed to 2140' with Machine #70C Thair Stout & Morris 2 das. 58 mi..

RECOMMENDATION _____


Amount Royalty \$ _____ Amount of free gas allowed per yr. _____ M Cu. ft. Amount used last 12 months _____ M Cu. ft

	This Job	Total Previous	TOTAL EXPENSE LAST TWELVE MONTHS
EXPENSE: Cleaning.....	\$ _____	\$ _____	
Bailing.....	<u>211.06</u>	_____	
Swabbing.....	_____	_____	\$ <u>211.06</u>

Commenced work 5-11 19 76

Completed work 5-12 19 76

Date of this report 5-13 19 76


Division Superintendent

Geologist's Recommendation _____

Date _____ 19____ Geologist

Land Agent's Report _____

Date _____ 19____

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

Shinn Well tract



Approximate Scale 1:6,000

03/19/2019 - 10:39:06 AM

Disclaimer: The map information shown is from various sources including but not limited to tax maps and state and federal agency web sites. The map information does not represent and should not be relied upon as a land survey or legal depiction of the property or information shown. Title Maps LLC does not warrant the accuracy or correctness of the map information shown hereon.

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

47-033-01669 P

06/07/2019



RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

06/07/2019

WW-4A
Revised 6-07

1) Date: 04-03-2019
2) Operator's Well Number
4423 (HT Shinn)
3) API Well No.: 47 - 33 - 1669

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>Samuel A. Guarascio</u>	Name _____
Address <u>635 Rivendell Drive</u>	Address _____
<u>Bridgeport, WV 26330</u>	
(b) Name <u>Rosemary Yurko</u>	(b) Coal Owner(s) with Declaration
Address <u>55 Small Estates Drive</u>	Name _____
<u>Bridgeport, WV 26330</u>	Address _____
(c) Name <u>Agnes A. Merandi</u>	Name _____
Address <u>606 S. 2nd St.</u>	Address _____
<u>Shinnston, WV 26431</u>	
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 2327</u>	Name _____
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</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 Peoples Gas WV LLC
 By: Brett Hoover 
 Its: Director, Operations Technology
 Address 375 North Shore Drive
Pittsburgh, PA 15212
 Telephone 412-559-9646

Subscribed and sworn before me this 4TH day of APRIL, 2019
Janice A. Saltzman Notary Public
 My Commission Expires OCT. 28, 2020

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

MAY 2 2019

WV Department of
Environmental Protection

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 Janice A. Saltzman, Notary Public
 Wilkinsburg Boro, Allegheny County
 My Commission Expires Oct. 28, 2020
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

SURFACE OWNER WAIVER

Operator's Well
Number

4423 (HT Shinn)

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (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 57th 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 **FIVE (5) 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 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.

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 Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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
ETC.

FOR EXECUTION BY A CORPORATION,

Samuel A. Bruscosio Date 4/4/19
Signature

Name _____
By _____
Its _____ Date _____

Signature Date

RECEIVED
Office of Oil and Gas

MAY 2 2019

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 Peoples Gas, WV LLC OP Code 494514440
Watershed (IUC 10) Shirns Run Quadrangle Shinnston

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 Steel tanks will be used to hold effluent.

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 Disposal offsite at approved facility.)

Will closed loop system be used? If so, describe: N/A

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. N/A

-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 [Signature]

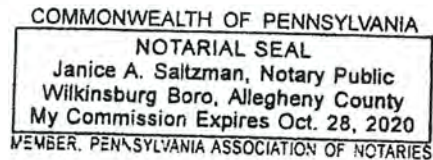
Company Official (Typed Name) Brett Hoover

Company Official Title Director, Operations Technology

Subscribed and sworn before me this 4th day of April, 2019

Janice A. Saltzman Notary Public

My commission expires Oct. 28, 2020



Proposed Revegetation Treatment: Acres Disturbed .5 Prevegetation pH 5.5

Line 3 Tons/acre or to correct to pH 6.5

Fertilizer type _____

Fertilizer amount 0.25 lbs/acre

Mulch Hay 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	25	Ladino Clover	5
Red Top Clover	15	KY 31	40

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.

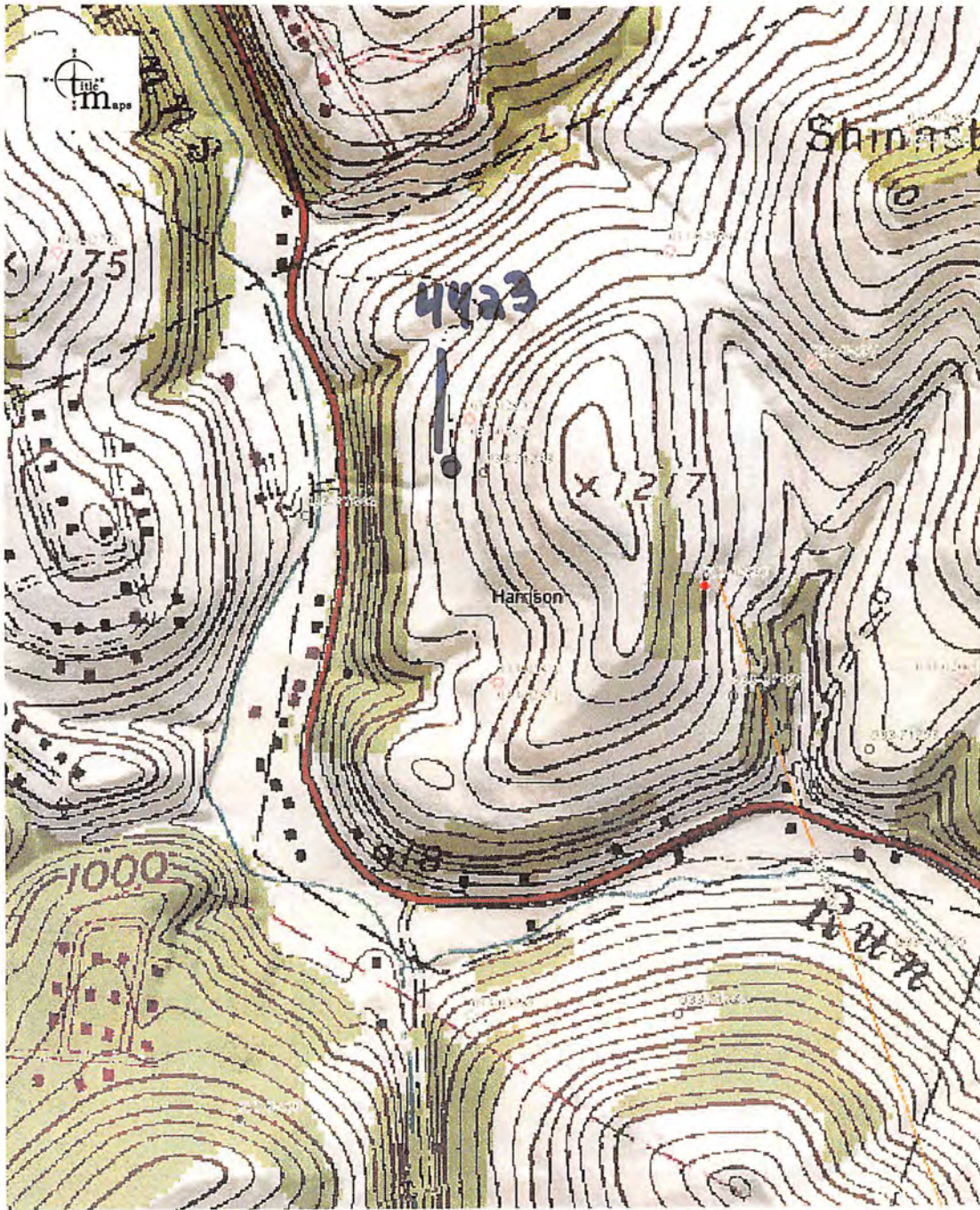
Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? () Yes () No

Peoples Gas Shinn Well 4423



500ft

Approximate Scale 1:6,000

04/03/2019 - 02:01:04 PM

Disclaimer: The map information shown is from various sources including but not limited to tax maps and state and federal agency web sites. The map information does not represent and should not be relied upon as a land survey or legal depiction of the property or information shown. Title Maps LLC does not warrant the accuracy or correctness of the map information shown hereon.

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection

* Note - coordinates in DEP Mapping system online are inaccurate.

06/07/2019

WW-7
8-30-06



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

API: 47-33-01669 WELL NO.: 4423
FARM NAME: H. T. Shinn
RESPONSIBLE PARTY NAME: Peoples Gas WV, LLC
COUNTY: Harrison DISTRICT: Clay-Outside
QUADRANGLE: Shinnston
SURFACE OWNER: Samuel A. Guarascio et. al.
ROYALTY OWNER: Howard T. Shinn heirs
UTM GPS NORTHING: 4359942
UTM GPS EASTING: 560513 GPS ELEVATION: 1072.8

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.

<u><i>Gay Ogden</i></u>	Land Manager-Conserv	04/03/2019
Signature	Title	Date

RECEIVED
Office of Oil and Gas

MAY 2 2019

WV Department of
Environmental Protection