

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

Monday, January 14, 2019
WELL WORK PLUGGING PERMIT
Vertical Plugging

ROSS AND WHARTON GAS COMPANY, INC. RT. 5, BOX 29

BUCKHANNON, WV 262010000

Re: Permit approval for 1

47-041-00370-00-00

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: 1

Farm Name: LINGER, D. P.

U.S. WELL NUMBER: 47-041-00370-00-00

Vertical Plugging Date Issued: 1/14/2019



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 October 8	,	<u>Ω1</u> /s1 8/201
2)Operator's		-
Well No. D.P. Linger	#1	
3) API Well No. 4	7 041	- 00370

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

	(II "Gas, Floduction or one	derground storage) Deep/ Shallow X
5)	Location: Elevation 1266'	Watershed Keith Fork
	District Skin Creek	County Lewis Quadrangle Roanoke
6)	Well Operator Ross & Wharton Gas Co. Inc.	7)Designated Agent Mike Ross
	Address 354 Morton Ave.	Address P.O. Box 219
	Buckhannon, WV 26201	Coalton, WV 26257
8)	Oil and Gas Inspector to be notified Name Barry Stollings	9)Plugging Contractor Name N/A
	Address 28 Conifer Dr.	Address
	Bridgeport, WV 26330	
	Work Order: The work order for the manner Free point and recover casing's & tube 6% Get between plug's	ular's RECEIVED Office of Oil and Gas
	Free point and recover casing's & tube 6% Gel between plug's Set cement plug 4200' to TD (4492') For Set 100' cement plug across casing consecutive cement plug 3000' to 3100' Set cement plug 1850' to 2050' gas show the set cement plug 1200' to 1300' elevation, set cement plug 1200' elevation, elevation, elevation	ular's Office of Oil and Gas OCT 2 2 2018 Plug 100' above top perf WV Department of Environmental Protection

Form OG-10



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAY, DIVISION S

Quadrangle			٠,٢,						
Permit No. LE	≊i- 370 - D		WE	LL RECORE	o				
company Wash	nington Na	tural Gas Co				Oil or	Gas Well.	GA C	******
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Data February 21 , 19 61

APPROVED Washington Natural Gas Co. Own.

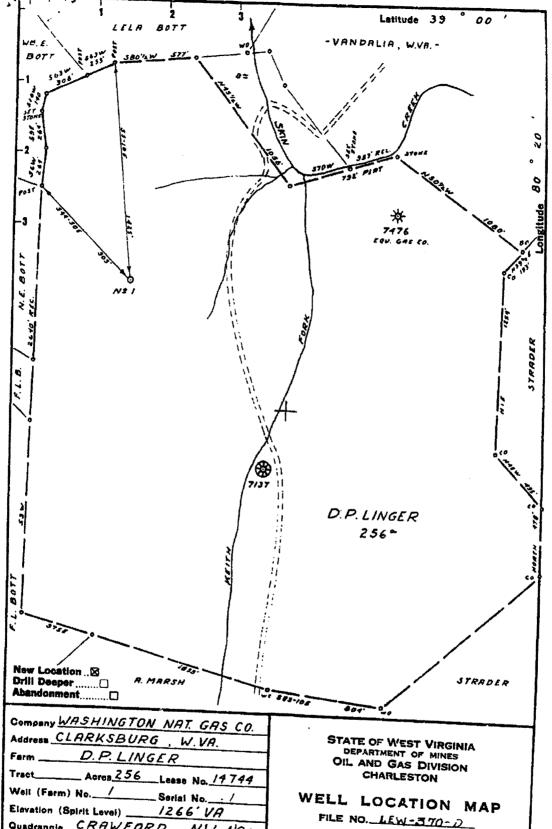
By Lan S. Keele J. (Trile)

01/18/2019

RECEIVED Office of Oil and Gas

OCT 2 2 2018

WV Department of Environmental Protection



Quadrangle CRAWFORD NW NC County_LEW/5 District SKIN CREEK Engineer JAMES D. JEFFRIES Engineer's Registration No. 1084 File No. 192-70 Drawing No. Date 9-5-58 1" .500

- + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines sa shown,
- Denotes one Inch spaces on border line of original tracing.



DEPARTMENT OF MINES OIL AND GAS DIVISION 4

Permit No.

Address.....

Well No.

District Skin Creek

Drilling commenced.....

Date Shot Not shot From

Open Flow 100/10ths Water in 2

Drilling completed_

With...

Volume...

Rock Pressure. Oil

Fresh Water.

Clay

Lime

Coal

Sand

Slate

Sand

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Critty lime

Sand White

Sand White

Little Lime

Slate & Shells

R. Rock & Shells

Red rock and shells

Formation

WELL ACIDIZED.

WELL FRACTURED_

RESULT AFTER TREATMENT. ROCK PRESSURE AFTER TREATMENT.

Company Washington Natural Gas Company

Mineral rights are owned by D. P. &F. B. Linger

_/10ths Merc. in__

Color

3/6/59

D. F. Linger Location (waters) Crawford N/W 1-2 #1

P.O. Box 322 Bridgeport, West Va.

The surface of tract is owned in fee by D.P. & E.B. Linger

12/16 and 12/22/51

County Lewis

AddressRoanoke, W. Va.

Address Roanoke, W. Va.

24

Hard or Soft

WELL R

Elev. 1266 'Va

Inch

Inch

Cu. Ft.

bbls., 1st 24 hrs.

Top

0

1,0

105

110

252

296

51.5

555 615

625

620

904

928

1057

1062

1088

1150

1272

1322

1371

1379

1400

11.29

1468

1530

1575

1594

1675

RECORI	D	Oil or	Gas	Well Gas		
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			ì	erf. bottom		
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					CDES	
				····		
_Salt Water		Fee		915		
Bottom	Oil, Gas or Water	Depth		Remarks		•
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25 2 296 1465	Gas 355				00	T 2 2 2018
51.5 555 61 5				 	WV Environ	Department of mental Protection
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1675

1802

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	Date	J	nio -			19 59
PPROVED	Washington	Naturel	Gas	Co.		. Owner
By_	In .	(Ken	hom		l	, OHILL
-		(1)	tle)		7	***************************************



00370

WW-4A Revised 6-07

1) Date:	October 8, 2018	
2) Operator	r's Well Number	
D.P. Linger #1	9.1.3141074.00	

041

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

3) API Well No.: 47 -

4) Surface Ow	ner(s) to be served:	5) (a) Coal Operato	r	
(a) Name	Louis J. Linger II	Name	N/A	
Address	98 Rush Run	Address		
	Weston, WV 26452			
(b) Name	Michael & Kim Spangler	(b) Coal O	wner(s) with Declaration	
Address	1620 Keith Fork Rd.	Name	N/A	
0.000	Horner WV 26372	Address		
			C	Office of Oil and Gas
(c) Name		Name	-	C/HOO ST ST
Address		Address	***	OCT 2 2 2018
E-144-Q-10-1	-	2000000	-	001-2
6) Inspector	Barry Stollings	(c) Coal Le	ssee with Declaration	WV Department of Environmental Protection
Address	28 Conifer Dr.	Name	N/A	Literiorinis
4,144,117,	Bridgeport, WV 26330	Address		
Telephone	1-304-552-4194			
The reason However, y Take notice accompany Protection, the Applica	plat (surveyor's map) showing the a you received these documents is that you are not required to take any action at the that under Chapter 22-6 of the West Voing documents for a permit to plug and with respect to the well at the location ation, and the plat have been mailed by turnstances) on or before the day of mail	you have rights regarding the appli all. Firginia Code, the undersigned well abandon a well with the Chief of the described on the attached Applicaty y registered or certified mail or de-	operator proposes to file or has file the Office of Oil and Gas, West Virgion and depicted on the attached Fo	d this Notice and Application and inia Department of Environmental rm WW-6, Copies of this Notice,
	Well C By: Its: Addres	Buckhannon, WV 26	Company Inc.	
Halle	sworn before me this	day of Octob	Ser , 2018 Notary Public	
My Commission	Expires September	9,2022	-	
Oil and Gas Priva	ncy Notice		Nota	KELLY L FISHER my Public Official Seal

The Office of Oil and Gas processes your personal information, such as name, address and some of third parties of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties of the course of business or as needed to comply with statutory or regulatory requirements, including F state of the course of 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 www.gov.

WW-9 (5/16)

01/18/2019

API Number 47 - 041	_ 00370
Operator's Well No.	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN
Operator Name Ross & Wharton Gas Co. Inc. OP Code 306580
Watershed (HUC 10) Keith Fork Quadrangle Roanoke
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 V
If so, please describe anticipated pit waste:
If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes No If so, what ml.? RECEIVED Office of Oil and Gas
Proposed Disposal Method For Treated Pit Wastes: OCT 2 2 2018
Land Application (if selected provide a completed form WW-9-GPP) Underground Injection (UIC Permit Number Environmental Protection Reuse (at API Number) Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain
Will closed loop systembe used? If so, describe:
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc
Additives to be used in drilling medium?
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc
-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 Cas 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 Cas 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 o btaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature Company Official Title President Mike Ross Company Official Title President
Subscribed and swom before me this 1174 day of October , 20 18 Notary Public
My commission expires Septembre 9, 2022 KELLY L FISHER Notary Public Official Seal State of West Virginia My Comm. Expires Sep 9, 2022 792 Goshen Rd. Rock Cave WV 26234

47-041-00370P

Operator's Well No._

Proposed Revegetation Treatment: Acres Disturbed 1 acre		acre p	reveg etation pH	6.5
Lime 2	Tons/acreor to correc	ct to pH 6.5		
Fertilizer type 10-	-20-20			
Fertilizer amount	500	lbs/acre		
_{Mulch} Hay		_Tons/acre		
		Seed Mixtures		
т	emporary		Perman	ent
Seed Type	lbs/acre	See	ed Type	lbs/acre
Fescue	30	Fescue		30
Contractor's Mix		Contractor'	s Mix	
provided). If water from the (L, W), and area in acres, o	pit will be land applied, pro	d application (unless enginee ovide water volume, include	red plans includi dimensions (L, V	ng this info have been W, D) of the pit, and di
Maps(s) of road, location, porovided). If water from the (L, W), and area in acres, or Photocopied section of involved	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	W, D) of the pit, and di
Maps(s) of road, location, porovided). If water from the (L. W), and area in acres, or Photocopied section of involved and Approved by:	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	ng this info have been W, D) of the pit, and di
Maps(s) of road, location, porovided). If water from the (L, W), and area in acres, or Photocopied section of involved	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	W, D) of the pit, and di
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Maps(s) of road, location, porovided). If water from the (L. W), and area in acres, or Photocopied section of involved and Approved by:	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	REC Office of
Maps(s) of road, location, porovided). If water from the (L. W), and area in acres, or Photocopied section of involved and Approved by:	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	N, D) of the pit, and di
Maps(s) of road, location, porovided). If water from the (L. W), and area in acres, or Photocopied section of involved and Approved by:	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	REC Office of
Maps(s) of road, location, porovided). If water from the (L. W), and area in acres, or Photocopied section of involved and Approved by:	e pit will be land applied, profithe land application area.	ovide water volume, include	dimensions (L, \	REC Office of
Maps(s) of road, location, porovided). If water from the L. W), and area in acres, or Photocopied section of involved and Approved by:	e pit will be land applied, profithe land application area. Solved 7.5' topographic sheet. Bary Still	ovide water volume, include	dimensions (L, N	REC Office of

01/18/2019

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Pag	eof
API Number 47 - 041	- 00370
Operator's Well No	

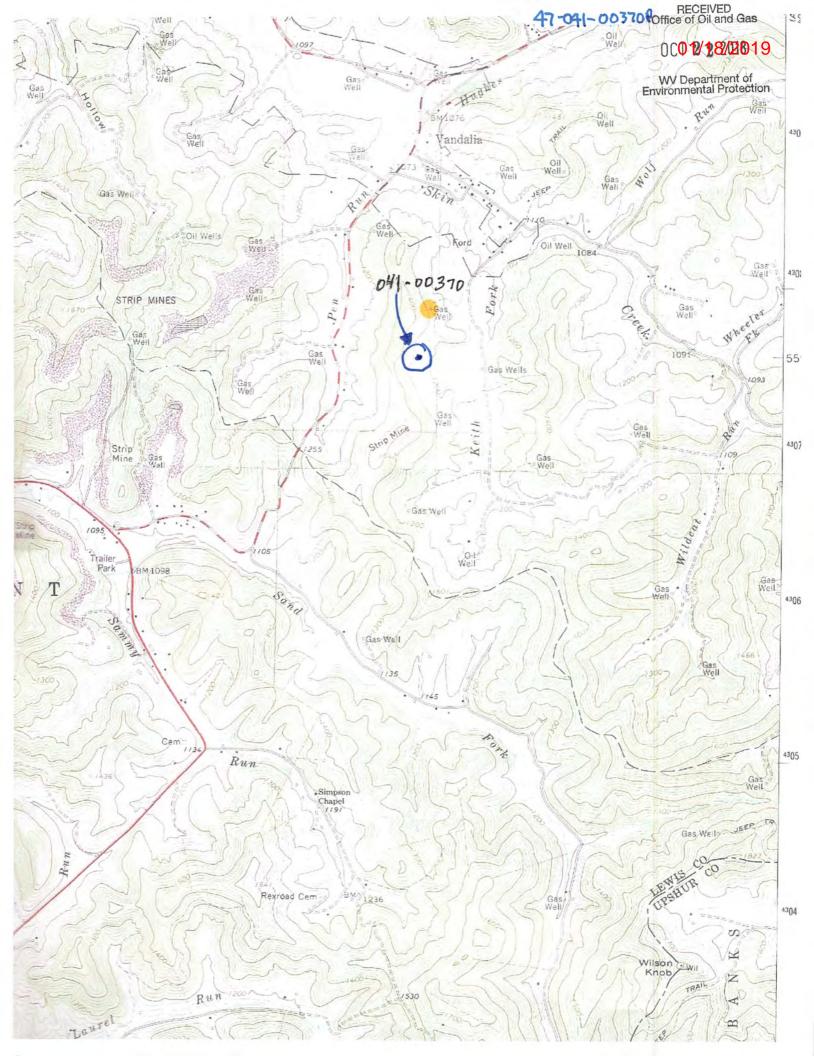
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

perator Name: Ross & Wharton Gas Co. Inc.		
Vatershed (HUC 10): Keith Fork	Quad: Roanoke	
arm Name:		
List the procedures used for the treatment and discharge of fluids. groundwater.	Include a list of all operations the	nat could contaminate the
N/A		
Describe procedures and equipment used to protect groundwater q	uality from the list of potential co	ntaminant sources above.
N/A		:
List the closest water body, distance to closest water body, and discharge area.	distance from closest Well Hea	d Protection Area to the
discharge area.	distance from closest Well Hea	d Protection Area to the
	distance from closest Well Hea	d Protection Area to the
discharge area.	distance from closest Well Hea	d Protection Area to the
discharge area.	distance from closest Well Hea	RECEIVED
discharge area.	distance from closest Well Hea	RECEIVED Office of Oil and G
discharge area.	distance from closest Well Hea	RECEIVED Office of Oil and G
discharge area.		RECEIVED Office of Oil and G
Keith Fork Summarize all activities at your facility that are already regulated		RECEIVED Office of Oil and G
Keith Fork Summarize all activities at your facility that are already regulated		RECEIVED Office of Oil and G
discharge area. Keith Fork		RECEIVED Office of Oil and G

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

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WWW 6 CDD	_	01/10/20		
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N/A				
6. Provide a statement that no waste material v	vill be used for deicing or fill material on the property.			
No material will be used				
7. Describe the groundwater protection instru provide direction on how to prevent ground	action and training to be provided to the employees. Job plwater contamination.	procedures shall		
N/A				
8. Provide provisions and frequency for inspec	ctions of all GPP elements and equipment.			
N/A				
		RECEIVED Office of Oil and Gas		
Wills Park		OCT 2 2 2018		
Signature: Whe hast	· 	WV Department of Environmental Protectio		
Date: (6-11-18				



WW-7 8-30-06



West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

***************************************	O CHILLOTT I OIM IN OI	~
_{API:} 47-041-00370	WELL NO.	: #1
FARM NAME: D.P. Ling		
RESPONSIBLE PARTY NAM	E: Mike Ross	
COUNTY: Lewis	DISTRICT: S	Skin Creek
QUADRANGLE: Roanok	e	
SURFACE OWNER: Louis		Kim Spangler
ROYALTY OWNER:		
UTM GPS NORTHING: 430	7792.5	
UTM GPS EASTING: 55194	44.9 GPS ELEVA	ATION: 1266'
	t for a plugging permit or assigned Gas will not accept GPS coordinate. 17 North, Coordinate Units:	ed API number on the nates that do not meet
2. Accuracy to Datum –		RECEIVED Office of Oil and Gas
3. Data Collection Methors Survey grade GPS: Post	od: Processed Differential	OCT 2 2 2018
Rea	l-Time Differential	WV Department of
Mapping Grade GPS: P	ost Processed Differential	Environmental Protection
F	Real-Time Differential	
4. Letter size copy of the I the undersigned, hereby certify to belief and shows all the information prescribed by the Office of Oil and	on required by law and the regula	ny knowledge and
the Ross	President	10-11-18
Signature	Title	Date