

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

Tuesday, February 07, 2017 WELL WORK PERMIT Vertical / Plugging

EQT PRODUCTION COMPANY (A) 120 PROFESSIONAL PLACE BUILDING II BRIDGEPORT, WV 26330

Re:

Permit approval for 3 096211

47-019-00510-00-00

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: 3 096211

Farm Name: HAMILTON, LAWSON, ETAL U.S. WELL NUMBER: 47-019-00510-00-00

Vertical / Plugging

Date Issued: 2/7/2017

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.

Form WW-4 (B) Permit Copy (Rev 2/01)

CK 22193 10000

Date: Operator's Well

Well No.

API Well No .:

096211 (Lawson W. Hamilton #3)

January 7, 2017

019 - 00510 47

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

	APPLICATION	FOR A PE	RMIT TO PLUG A	ND ABANDON		
Well Type: Oil	Gas _	X Lie	quid Injection	Waste Disp	osal:	
If Gas, Production	X	Or Undergro	ound storage	Deep	Shallow	X
Eleva	tion: 1620 ft.	_Watershed:	Milburn Creek of P	aint Creek		
Location: District:	Valley	_County:	Fayette	Quadrangle:	Pax 7.5'	
T						
Particular and Control of the Contro			_ Address:			
Address: Br	iageport, VVV 263	330	-		20330	
					•	
					Service	
			- Address.		26201	
Address. Olenden	11, *** 20040			Buoking in the		
*2 F 1 E			plugging this well is	as follows:		
	If Gas, Production Eleva Location: District: Well Operator Address: Oil & Gas Name: P. O. Box Address: Clendeni Work Order: Th	Well Type: Oil Gas If Gas, Production X Elevation: 1620 ft. Location: Valley District: EQT Production Co Well Operator Address: 120 Professional Pl Bridgeport, WV 263 Oil & Gas Terry Urban Name: P. O. Box 1207 Address: Clendenin, WV 25045 Work Order: The work order for the company of the company	Well Type: Oil Gas X Lie If Gas, Production X Or Undergro Elevation: 1620 ft. Watershed: Location: Valley County: District: EQT Production Company Well Operator Address: Bridgeport, WV 26330 Oil & Gas Terry Urban Name: P. O. Box 1207 Address: Clendenin, WV 25045	Well Type: Oil Gas X Liquid Injection If Gas, Production X Or Underground storage Elevation: 1620 ft. Watershed: Milburn Creek of P Location: Valley County: Fayette District: EQT Production Company 7) Designat Well Operator Address: Bridgeport, WV 26330 Oil & Gas Terry Urban Name: P. O. Box 1207 Address: Clendenin, WV 25045 Work Order: The work order for the manner of plugging this well is	If Gas, Production X Or Underground storage Deep Elevation: 1620 ft. Watershed: Milburn Creek of Paint Creek Location: Valley County: Fayette Quadrangle: District: EQT Production Company 7) Designated Agent: Rex (Address: 120 Professional Place Address: 120 Professional Place Address: 120 Professional Bridgeport, WV 26330 Bridgeport, WV 26330 Oil & Gas Terry Urban Name: P. O. Box 1207 Address: PO BOX 995 Address: Clendenin, WV 25045 Buckhannon, WV Work Order: The work order for the manner of plugging this well is as follows:	Well Type: Oil Gas X Liquid Injection Deep Shallow Elevation: 1620 ft. Watershed: Milburn Creek of Paint Creek Location: Valley County: Fayette Quadrangle: Pax 7.5' District: EQT Production Company 7) Designated Agent: Rex C. Ray Well Operator Address: 120 Professional Place Address: 120 Professional Place Address: Bridgeport, WV 26330 9) Plugging Contractor: Oil & Gas Terry Urban Name: P. O. Box 1207 Address: Description Mane: P. O. Box 1207 Address: P

_	OFFICE USE ONLY
	Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence. Date 1-20-17 Work order approved by inspector RECEIVED Office of Oil and Gas

JAN 20 2017

PLUGGING PROGNOSIS

REVISED

Hamilton #3 096211 API# 47-019-00510 District, Valley Fayette County, WV

BY: R Green DATE: 1/17/17

CURRENT STATUS:

TD (a) 6370' Plugged back to 2764' Elevation (a) 1625'

13 3/8"" casing @ 76'(CTS) 8 5/8" casing @ 1631' (CTS) 4 ½:" casing @ 6338' 2 3/8" tubing set on packer @ 1617' Perforations @ 2664' to 2524' (50 holes), & 1682' to 1653' (30 holes)

Fresh Water @ 30'

Saltwater @ 515'

Oil Show

@ None reported

Gas shows @ None reported

Coal

(a) None reported

RECEIVED Office of Oil and Gas

JAN 2 0 2017

WV Department of Environmental Protection

- 1. Notify inspector, Terry Urban @ 304-549-5915, 24 hrs. prior to commencing operations.
- 2. Release packer and TOOH tubing and packer, check TD.
- 3. TIH to 2700', spot 30 bbl. of 6% gelled water, followed a 400' C1A cement plug, 2700' to 2300'. WOC 8 hrs., TAG TOC, add additional C1A cement if necessary. (Upper Weir perfs)
- 4. TOOH to 1800', set 400' C1A cement plug 1800' to 1400', WOC 8 hrs., TAG TOC, add additional C1A cement if necessary. (Maxton Perfs)
- 5. Free point 4 ½" casing, cut casing @ free point.(EST @ 1200') TOOH 4 ½" casing.
- 6. Set 100' C1A cement plug 50' in/out of casing cut. Perforate all saltwater, freshwater, coal, oil and gas shows below cut. Do not omit any plugs.
- 7. TOOH to 900', set 300' C1A cement plug 900' to 600'.

Hery w Mile 1-20-17

02/10/2017

- 8. TOOH to 400', set 400' C1A cement plug 400' to surface.
- 9. Erect monument with API#, date plugged, company name, and company 6-digit ID#.

Aug w blile 1-20.17

10. Reclaim location and road to WV-DEP specifications.

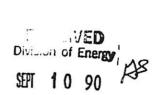
RECEIVED
Office of Oil and Gas

JAN 2 0 2017

WV Department of Environmental Protection

FORM WR-38 (Affidavit of Plugging)

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



Oil and Gas

AFFIDAVIT OF PLUGGING AND FILLING WELL

AF:	FIDAVIT	SHC	DULD E	BE MAD	E IN TR	IPLI	CATE,	one cop	y mai	iled t	to the	Divisi	on,	one copy	y to
be	retaine	ed b	y the	Well	Operat	or a	nd the	third	сору	(and	extra	copies	if	required)	should
be	mailed	to	each	coal	operato	r at	their	respec	tive	addre	esses.				

be mailed to each coal opera	tor at their resp	ective addres	sses.	
Hansford Coal Company	0.7		xploration, Inc.	
Coal Operator or Own			Name of Well Opera	
P.O. Box 175, Hansford, WV Address	24103	P.O. Box	391, Ashland, KY	
Audi 699		j W Uami	Complete Address	
Coal Operator or Own	er	WE	lton #3 LL AND LOCATION	19
•				District
Address		Tarrey		DISCLICE
Lawson W. Hamilton, Jr.		Favette		County
Lease or Property Ow				
P.O. Box 175, Hansford, WV	24103	WELL NO	47-019-0510	
Address				
				Farm
TATE INSPECTOR SUPERVISING	PLUGGING D. Cra	aig Duckworth		
	AFFIDA	/IT		
TATE OF WEST VIRGINIA,				
ounty of Fayette	ss:			
Douglas K. Gosnell		and		
eing first duly sworn accor	ding to law depos	se and say tha		
ork of plugging and filling Exploration, Inc. , well	oil and gas well	Is and were em	ployed by Ashland	d
ng the above well, that sai				
9 86, and that the well				,

Sand or Zone Record	Filling Mate	erial	Plugs Used	Casing
Formation			Size & Kind	CSG CSG PULLED LEFT IN
Devonian Shale	6% gel water	(11 BBL)		6406
Devonian Shale	Bridge Plug @	5590¹ KB	4½" Baker P-1	6406
Devonian Shale & Gordon	6% gel water		Al II Dalian D 1	6406
Shale	Bridge Plug @	2//6 KB	4½" Baker P-1	6406
			 	
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Tro Dinx				
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	 		11111	glille
Coal Seams			Description of	Monument
)
(Name)	 			
(Name)				
(Name)				
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of March , 19		0 2070 4671 /	compressed on the	TAKEL TO
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		Douglas	Govell	02/10/2
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Sworn to and subscribed before	saith not.		eptemberg , f Histologia	
	saith not.			— 02/10/2 , 19 <u>90</u>
My-commission expires:	saith not.		eptember , f Mulbara Notary Public	, 19 <u>90</u>
My-commission expires:	saith not.		eptemberg , f Histologia	, 19 <u>90</u>

Date 2/23/88 Operator's State of Mest Airginia Well No._

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WR-35

DEPARTMENT OF ENERGY Gil und Gas Bivision Farm lawson Hamilton API No. 47 - 019 - 0510

Underground Injection Control Permit WELL OPERATOR'S REPORT No. UIC2D0190510

No. UIC2D0190510

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas / Liquid Injection (If "Gas," Production / Underground LOCATION: Elevation: 1625.8' Watershed Mi	ound Storag	ge/ Deej	p/ Sha	
District: Valley County Fay				wita Kiver
COMPANY Ashland Exploration, Inc.				
ADDRESS P. O. Box 391, Ashland, KY 41114	Casing	Used in	Left	Cement
DESIGNATED AGENT Forrest Burkett	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Box 156 Brenton, WV 24818	Size	2222239	TI WELL	cu. Ic.
SURFACE OWNER Lawson Hamilton, Jr.	20-16			
ADDRESS Box 175, Hansford, WV 24103	Cond.	76	7/	100.1
MINERAL RIGHTS OWNER Lawson Hamilton, Jr.	13-10"	76	76	100sks
ADDRESS Box 175, Hansford, WV 24103	9 5/8	1642	1642	350sks
OIL AND GAS INSPECTOR FOR THIS WORK Rodney	8 5/8	1042	1042	3308K8
Dillon ADDRESS Box 30, Scarbro, WV	7	-		
UIC PERMIT ISSUED Feb. 13, 1986	5 1/2			
UIC DAKKKING COMMENCED March 10, 1986	4 1/2	6348	6348	560sks
UIC MAKKEN COMPLETED March 25, 1986	3		1601 (1)	
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2	 	1621 w/A	pkr
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
CN				
GEOLOGICAL TARGET FORMATION Weir		Dept	h 2530	feet
Depth of completed well 6370 feet	Rotary x	/ Cable	Tools_	
Water strata depth: Freshfeet;				
Coal seam depths:	_ Is coal	being mine	ed in the	area?
OPEN FLOW DATA				
Producing formation NONE	Pay	zone dept	th	feet
Gas: Initial open flow Mcf/d	Oil: In	itial open	flow	Bb1/d
Final open flow Mcf/d	Fir	nal open fi	low	Bb1/d
Time of open flow between ini	tial and fi	inal tests	ho	urs
Static rock pressurepsig(surfa	ce measurer	ment) after	hou	rs shut in
(If applicable due to multiple completio	n)			02/10/201
Second producing formation	Pay	y zone dep	th	feet
Gas: Initial open flowMcf/d				
Final open flow Mcf/d	Oil: Fi	nal open f	low	Bbl/d
Time of open flow between ini	tial and f	inal tests	ho	urs
Static rock pressurepsig(surface	e measurem	ent) after	hou	rs shut in
		(Conti	rue on re	verse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf Weir 40H/2646-2656, 36H/2616-2625, 40H/2596-2606, 40H/2526-2536 & 40H/2516-2526 in 500 gal 15% HCl. Frac thru tbg & RTTS using 30,000# 20/40 sand w/25# gel system. Dropped 80 balls during treatment. Avg. press. 2200#-1700#.



WELL LOG

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

			DEPARTMENT OF ENERGY
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Previously submitted			
•			
	1	}	l

(Attach separate sheets as necessary)

A	SHLAND EXPLORATION, INC.	
Wel:	Operator Week S. Dina	
		00/40/0047
Date:	February 23, 1988	02/10/2017

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including that, encountered in the drilling of a well."

02/10/2017

PRINT AGENT'S NAME

NL moustres, inc. P.O. Box 60060, Houston, Texas 77205

McCullough is hereby instructed to deliver the equipment or perform the services ordered, or as orally directed, under the terms and conditions printed on reverse side of this order and which I accept as Customer or as Customer's Authorized Agent.

MC - 85259

Date: 3-11-86 Ordered by Exploration Mailing Address Customer Order No. 391 Well Name & No. woth my Ham. W. ZIP 41101 City Ashland State K Section/Township/Range Customer Code | 0 0 2 8 5 6 0 0 Sum WY Price List Zone No. DEPTH OR ZONE SERVICED PRICE LINE PRODUCT CODE DESCRIPTION LOGGING FOOTAGE SHOTS FIRED 7,0,20,0,50,0,0 475 **○**Œ SERVICE CHARGE 7,0,3|0,0,5|0,0,0 MILEAGE CHARGE 7,0,20,2,50,0,0 CREW & EQUIP. CHARGE PORTABLE DERRICK CHARGE 7.0.4 PRESSURE CONTROL CHARGE 5 8941 16 DEI PH <u>,7,4,7,0,0,5,0,0,6</u> 5590' SCTTING 531100 BAKER P-1" 614 90 8 ill Dei Pf 5596 DUMB BAILER 50 00 25 per boc 0.00 ZRAGS CAL SEAL 450 0 2783° · SETTING CHO <u>531</u> 00 11 306/13 12 2783' Dump BriER Mperct. 50 100 25 perboo 13 ZBAGS CAL 545 00 IOHLHIN. 3/8 D6 2646: 2656 ı 2646-2656 3/8 DP JET 36 18°PEF 16 2616-2626 40 3/8 D6 254 2420 00 Fole 17 3/8 DP JET PECF 2594'- 2606 40 40 18 2526'- 25 36 5.ەھا 2525 - 2526 **4**0 7,1,2,0,0,5 3/R DrJer 20 Subtotal 1881 21 2989! LESS appeals disput 22 23 24 25 26 27 TOTAL 1811 CODE INI SERVICED BY: BENNINGTON -RHULE 2.42% Yexas Occupation 9,7,0,1|0,0,0|0,0,0 SHAMBUN JOB TIME SUMMARY DAY CHECK ONE BOX IN EACH SECTION 30 O O O O O State Sales Tax 5 | Fishing Tools START LOAD 31 1 Dopen Hole Logging 6 Casing Evaluation 2 DCompletion Services 32 4501 7 Tool Rental Only 3 Production Logging 8 [] (For Office Use) ARRIVE 33 4 Pipe Recovery Total Invoice Amount - Net Cash 9 Drilling Rig 10 Workover Rig 11 Derrick Unit EQUIPMENT LEFT ON LOCATION AT CUSTOMER REQUEST DYES NO E 13 EPOId Well 12 New Well For other charges refer to Service Orders # RELEASED 17 DOil 14 Desind ARRIVE 15 Cintend Water 18 DGs I hereby acknowledge receipt of the service and/or material described above. 19 12 Cther 16 Offshore COMPLETE 2000 CUSTOMER. 36 DISTRICT CHARLESTON HORIZED AGENT NO D WAS COMPETITOR'S WIRELINE USED? **DYES** GOSNELL WIRELINE UNIT NO. 84 0 30

BILLING COPY

Environmental Protection WV Department of

IV-35 (Rev 8-81)





DEPT. OF MINES Bepariment of Mines

OIL & GAS DIVISION Benerica

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Farm	Lawson	Hamilton	-

WELL OPERATOR'S REPORT

OF JRING AND/OR STIMULATING, OR PHYSICAL CHANGE

	DRILLING, FRACTURING AND/OR STIMUL	ATING, OR	PHYSICAL	CHANGE	
WELL TYPE:	Oil / Gas / Liquid Injection	_/ Waste	Disposal Deep	$\frac{1}{X}$ / Shall	llow/)
					wha River
LOCATION:	Elevation: 1625.8' Watershar First District: Valley County Faye	tte (Quadrangle	Pax	
	District: yattey				
-					
	Ashland Exploration, Inc.		Y		Cement
and the second second	3 1 H. Jal. Ashland, Ky. 91110	Caging	Obota and		fill up Cu. ft.
nec (CESTE	D MEDIT Formest Burkett	Tubing	Drilling	in Well	and processes and the second and the
ADDRESS I	P. O. Res 156. Brenton, W. 14818	Size 20-16			
SURFACE O	MARER LAWSON Hamilton, Jr.	Cond.	76	76	100 sks
ADDRESS_	Box 173, Hansford, WV 24103	9 5/8			-
MINERAL F	GGHS CANER Lawson Hamilton, Jr.	8 5/8	1642	1642	350 sks
ADDPENS_	Box 175. Hansford, WV 24103 GPS INSTECTOR FOR THIS WORK Rodney	7	***************************************		
OIL NO	ADDRESS Box 30, Scarbro, WV	5 1/2			
Dillon	SSUID 10/25/84	4 1/2	6348	6348	560 sks
PERMIT II	SSUID 11/28/84	3			
Recomplet	tion CONSTETED 12/11/84	2		5902	
100000000000000000000000000000000000000	THE THE THE CONTROL OF DRY HOLE ON				
	CABLE: PROCESSION FROM DRILLING OR DUS PROCESSION FROM DRILLING OR NG. VEREAL PERMISSION OBTAINED	Liners used			procedure of the same of the s
CN	game content than the reaction of the content of th	1	n-	pth 1	653 feet
GEOLOGIC	CAL TARGET FORMATION Maxton		WOODS AND THE PROPERTY OF THE PARTY OF THE P	ole Tools	
	1-to-d wall 6370	Rotary_	ACT AND ADDRESS OF THE PARTY OF		According to the second
				ined in t	he area?
Co	ter strata depth: Fresneec.	_ Is coa	at being m	11.00	-
OPEN FL	The state of the s		Pay zone d	epth_1653	3-1682 188C
Ca	roducing formation Middle Maxton as: Initial open flow None Mcf/d	oil:	Initial op	en flow_	phi/d
Coc	C7 71 NY:1/C	1		Account of the same of	
	1 T	TIPL CUL	a who when the describes the transfer		
C.	tatic rock pressurepsig(sur	Eace measu	rement) a	fter	hours shut III
			Pay zone	deptn_	Ph1 /d
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	rinal open flow MCI/	d OII:	T Transfer of	-	02/10/2017
	Time of open flow between i	nitial an	d final te	ests	hours shut in
	Static rock pressurepsig(surf	ace measu	rement) a	TEI	iours sinc m
11-			(Co	ontinue o	on reverse side.
		ecres 2000 (2000 2000 2000 2000 2000 2000 20	er successiva de la companione de la compa		

FORM IV-35 (REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf M. Maxton 30H/1653-1682 - Spot 500 gal 15%. BD-@ 2100#, MTP 3500#. Wtr Frac using 20/M gal gel system, 40,000 20/40 sand, 621 bbl. TL&FW. 491 bbl. TSLF. BD @ 2500#, MTP 2500# @ 23 B/M, MTP 2900#. DEPT. OF MINES

Results - No gas

Being held for possible water disposal

	WE	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Previously submitted		in the second	
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(Attach separate sheets as necessary)

02/10/2017

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including and, encountered in the drilling of a well."

19005108 NANCY WICKLINE STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND BAS WELCS DIVISION DEC 3 - 1984 INSPECTOR'S WELL REPORTOR & GAS DIVISION DEPT. OF MINES Permis No. 019-15/0 Frac Ashland ASING AND USED IN Ashland Ke Well No CASING CEMENTED... NAME OF SERVICE COMPANY COAL WAS ENCOUNTERED AT Drillery Names Tei - State Well Service 11-34 Pers. 4/2 Cement 41/2 11-30 Drill out Coment

IV-35 (Rev 8-81) بابر

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William Control

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Department of Mines Wil und Cas Division

Date_	<u>5/5/83</u>
Operat	or's
Well N	
Fam_	Lawson Hamilton
API No	· 47 - 019 - 0510

WELL OPERATOR'S REPORT DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Oil___/ Gas_XX / Liquid Injection__/ Waste Disposal__/
(If "Gas," ProductionXX / Underground Storage__/ DeepXX / Shallow__/) WELL TYPE: LOCATION: Elevation: 1625.8' Watershed Milburn Creek of Paint Cr. of Kanawha River Valley District: Fayette County Quadrangle COMPANY Ashland Exploration, Inc. ADDRESS P. O. Box 391, Ashland, Ky. 41114 Cement Caşing Used in Left fill up DESIGNATED AGENT Forrest Burkett Tubing Drilling in Well Cu. ft. ADDRESS P. O. Box 156, Brenton, WV 24818 Size SURFACE CORER Lawson W. Hamilton, Jr. etal 20-16 ADDRESS P. O. Box 175, Hansford, WV 24103 663 13-10" 661 100 sks MINERAL RIGHTS OWNER Lawson W. Hamilton, 9 5/8 ADDRESS P. O. Box 175, Hansford, WV 24103 8 5/8 1631 350 sks OIL AND GAS INSPECTOR FOR THIS WORK Craig 7 ADDRESS P. O. Box 454, Mt. Lookout Duckworth 5 1/2 PERMIT ISSUED 6338' 6338 280 sks 4 1/2 DRILLING COMMENCED 3 DRIFTING COMPLETED 2 5900' IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR Liners REFORKING. VERBAL PERMISSION ORTAINED ಚಾಯ

GEOLOGICAL TARGET FO	RMATION Onondaga Lime		Depth	feet
Depth of comple	ted well 6370 feet	Rotary X /	Cable Tools	
Water strata de	pth: Fresh 30 feet;	Salt 615	_feet	
Coal seam depths	s: None	_ Is coal bei	ng mined in the	area?No
****	•			

OPEN FLOW DATA

Produ	cing formation Deve	onian Shale		_Pay zone depths	610 feet
Gas:	Initial open flow	156 Mcf/d	Oil:	Initial open flow	Bb1/d
	Final open flow	78 Mcf./d		Final open flow	Bbl/d
				d final tests 3	hours
Stati	c rock pressure 1365	psig(swfa	ce moas	urement) after 83	hours shut in
(Ij a	pplicable due to mul	tiple completion	n)		
Secon	d producing formation	i		Pay zone depth	feet
Cas:	Initial open flow	Ncf/d	Oil:	Initial open flow	Ebl/d
Cas:	Initial open flow			Initial open flow	Bbl/d Bbl/d
Cas:	Final open flow		Oil:	Final open flow	-

RECEIVED Office of Oil and Gas JAN 20 2017

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANCE, ETC. Perf Devonian Shale 40H/5610-6082. Pumped 18 bbl 28% HCl, displace w/KCl wtr. Pumped @ 15 BPM @ 2100#, ISIP 1450#, TL&AW 204 bbl. Frac w/75 Quality foam w/10,000# 80/100 & 30,000# 20/40 sand. BD @ 3600#, ATP 3600#, MTP 4300# @ 6 BPM (wtr) ISIP 4200#, TSLF 210 bbl, TL&FW 319 bbl. w/1265 MCF N2.

WELL LOG

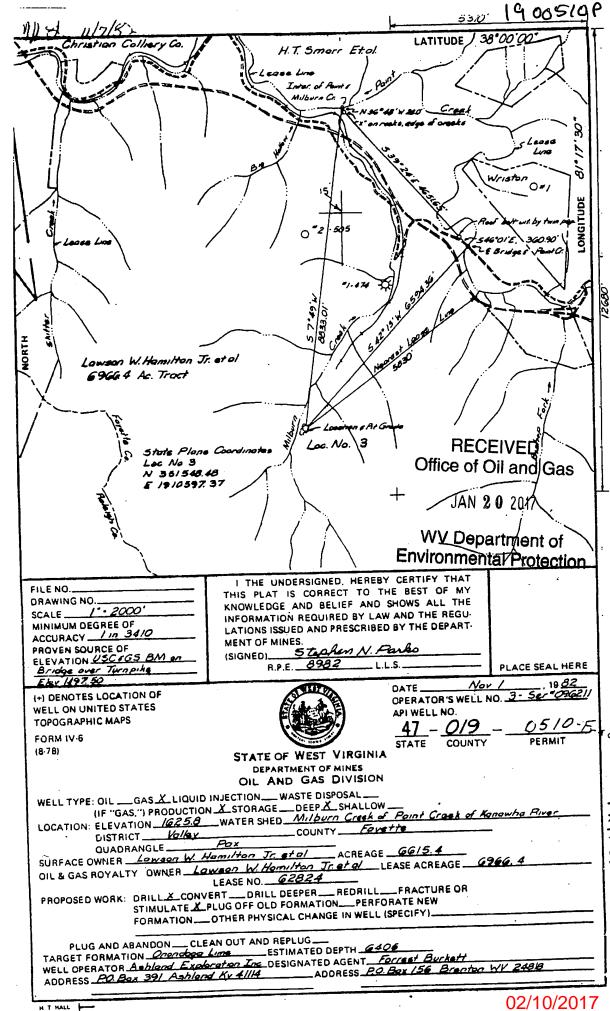
•				
FORMATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	
				and salt water, coal, oil and o
Shale		0	140	Fresh water @ 30'
Sand & Shale		140	230	2
Sand	37	230	350	CO 900 • 0 0000000
Shale & Sand		350	515	Salt water @ 515'
Salt Sand		515	1102	
Shale		1102	1423	
Ravencliff		1423	1560	
Shale		1560	1650	1 00
Middle Maxton		1650	1685	
Shale		1685	1903	
Lower Maxton		1903	1977	
Shale		1977	1989	
Little Lime		1989	2056	
Pencil Cave	1	2056	2092	
Big Lime	1	2092	2388	1.11 6 (0.00)
Shale & Sand	1	2388	2530	Clas Deck
Upper Weir	1	2530	2550	000.
Shale		2550	2602	LACK Drive
Lower Weir	1	2602	2670	Dagger Dans
Shale		2670	2916	VIOLET LANCE
Coffee Shale	' 1	2916	2941	1 40 WIC
Berea	1	2941	2973	La turi
Devonian Shale		2973	3148	10
Gordon .	1	3148	3164	1 1 1
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Office of Oil and Gas

JAN 20 2017

WV Department of Environmental Protection (Attach separate sheets as necessary)

	LAND EXPLORATION, INC. Operator	
By: 200	rek S. Wino	•
Date:	5/5/83	



WW-4-A	
Revised 6/07	

1) Date: January 7, 2017 2) Operator's Well Number 096211 (Lawson W. Hamilton #3) 3) API Well No.: 019 00510 State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

4)	Surface Owner(s	s) to be served:	5) (a) Coal	Operator:
	(a) Name	ACIN LLC	Name	Kingston Mining, Inc.
	Address	5260 Irwin Road	Address	600 Resource Drive
		Huntington, WV 25705		Scarbro, WV 25917
	(b) Name		(h) Coal Owi	ner(s) with Declaration
	Address		Name	ACIN LLC
	Addiess		Name	
				5260 Irwin Road
			Address	Huntington, WV 25705
	(c) Name		Name	
	Address		Address	
3)	Inspector	Terry Urban	(c) Coal Les	see with Declaration
	Address	P. O. Box 1207	Name	ACIN LLC
		Clendenin, WV 25045	Address	5260 Irwin Road
	Telephone	(304) 549-5915		Huntington, WV 25705
	The second of the second			

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 Division 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: **EQT Production Company** By: Victoria J.Roark Permitting Supervisor Its: Address: PO Box 280 Bridgeport, WV 26330 (304) 848-0076 Telephone: 744 day of 2017 Subscribed and sworn before

Notary Public

My Commission Expires:

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory dutte personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutes. 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. 6 2017



WV Department of OFFICIAL SEAL STATE OF WEST VIRGINIA FOR MOTARY PUBLIC FOR MOTARY WW-9 Revised 5/16

Page of			
2) Operator's Well	Numb	er	
096211 (Lawson \	N. Ha	milton	#3)
3) API Well No.:	47	019 -	00510

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

FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name:	EQT PRODUCTION COMPANY		OP CODE: 30	6686
Watershed (HUC 10):	Milburn Creek of Paint Cre	ek Quadrang	le: Pa	ax 7.5'
	re than 5,000 bbls of water to complet	e the proposed well work?	`	Yes No_X_
Will a pit be used? Yes		Fa		
If so, please describe antic	ed in the pit? Yes X No	Formation ls so, what ml.?	20 40m	
Proposed Disposal Method		15 50, What IIII. !	20 4011	
Toposed Disposal Method	Land Application (if selected pro	vide a completed form WW-	9-GPP)	
	Underground Injection (UIC Perr		, , , ,	2)
X	Reuse (at API Number Variou			
Х	Off Site Disposal Permit (Supply	form WW-9 for disposal loc	ation. See attachme	nt)
	Other /Francis			
Will closed loop system be				
	for this well? (vertical and horizontal)	? Air, freshwater, oil based,	etc	***************************************

Additives to be used in drill				
	od? Leave in pit, landfill, remove offsi			
	an to solidify what medium will be used?(name/permit number?			
Landill of offsite	lame/permit number?			
Permittee shall provide writter	notice to the Office of the Oil and Gas of	any load of drill cuttings or asso	ciated waste rejected a	at any
	ity. The notice shall be provided within 24			
where it was properly dispose	d.			
April 1, 2016, by the Office provisions of the permit are law or regulation can lead to I certify under penalty of form and all attachments the	d and agree to the terms and condition of Oil and Gas of the West Virginia Director enforceable by law. Violations of any o enforcement action. If law that I have personally examined a pereto and that, based on my inquiry of the information is true, accurate and co	vision of Environmental Proto term or condition of the gen and am familiar with the infor those individuals immediate amplete. I am aware that the	ection. I understand eral permit and/or oth mation submitted on ly responsible for ob-	that the her applicable this application taining the
Company Official Sig	nature	ut ft		
Company Official (Ty	ped Name) Victoria J. Roark		PEC	EIVED
Company Official Title	e Permitting Supervisor - W	V	Office of	Oilando
Subscribed and sworn b	pefore me this	day of Januar	y	307 Gas
4	Vista S. Christie		JAN :	1 8 2017
My Commission Expire		2/20/18	Notary Public Notary Public Environment Bridg My Commission	OFFICIAL SEAL THE WEST VIRGINIA NO TARVIPUBLIC OT CANTOIN FROM JOEPONT, WV 26330 JOEPONT, WV 26330 JOEPONT, WV 26330 JOEPONT, WV 26330

OPERATOR'S WELL NO.: 096211 (Lawson W. Hamilton #3)

LEGEND

Property Boundary	*	Diversion	/////////
Dead		Spring	Wet Spot
Road		\bigcirc	-6-
Planned Fence	Drain Pipe	with size in inches	Water Way
//_/		- 12	€→ € →
Existing Fence	Stream		Cross Drain
Open Ditch		Filter Strip	Rock
			-
North	Building	Water well	Drill site
N . —		W	\oplus
Pit with Cut Walls	Pit with Com	pacted Walls Area	of Land Application of Pit Waste
6			
fertilizer (10-20-20) or equivalently fulchT		1/3 ton	lbs/acre (500 lbs minimum)
	SEED MIXTU	RES	
Area I			Area II
Seed Type	lbs/acre	Seed Type	lbs/acr
ed Fescue	40	Red Fescue	15
Isike Clover	5	Alsike Clover	5
nnual Rye	15		
TTACH:			
rawing(s) of road, location, pit ar	nd proposed area for land app	lication.	
Photocopies section of involved 7	\mathcal{N}		
Plan approved by:	Jerry While		
Comments:	/		
			And less but here & I want to
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Title: Meviewed?	71	Date: _/-20 -/-	The state of the s

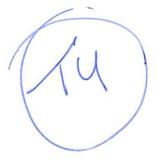
EQT Production Water plan Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive Bridgeport, WV 26330 304-326-6027 Permit #SWF-1032-98 Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road Parkersburg, WV 26104 304-428-0602 Permit #SWF-1025 WV-0109400 Approval #100833WV



RECEIVED
Office of Oil and Gas

JAN 20 2017

WV Department of Environmental Protection

Topo Quad:	Pax 7.5'		Scale:	1" = 500'	
County:	Fayette		Date:	January 11, 201	7
District:	Valley		Project No:	57-05-00-07	
Highway	47-019-00510	WV 096211	(Lawson	W. Hamila	ton #3)
		Pit Local	ition Map		
	Proposed Alternate P Locatoin	Pit/i	47-019-005 WV 09621		
PIT-CUT WALLS PIT-COMPACTED WALLS AREA OF LAND APPLICATION OF PIT WASTE					NAD 27, South Zone N: 351,561.23 E: 1,910,616.12 WGS 84 LAT: 37.965195 LONG: -81.309880 ELEV:1,620.18'
LEGHE!		PING SERVICES PERFORM Y SURVEYS,		RED FOR: QT Produc	ction Company

LEGHEN ON OUT OF THE PARTY OF T

1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608

P.O. Box 280 Bridgeport, WV 26330

02/10/2017

Topo Quad:	Pax 7.5'	Scale:	1" = 200'	
County:	Fayette	Date:	January 11, 2017	
District:	Valley	Project No:	57-05-00-07	
4	7-019-00510 WV 096211	(Lawson	W. Hamilton #3)	Торо
	Existing Well Access Road Proposed Alternate Pit Locatoin	47-019-005 WV 09621	Proposed Pit Locatoin RECE Office of Oi JAN 2 WV Depar Environment	I and Gas 0 2017 rtment of al Protection
PIT-CUT WALLS PIT-COMPACTED WALLS AREA OF LAND APPLICATION OF PIT WASTE			N: 351,5 E: 1,910 WGS 84 LAT: 37	,616.12 .965195 .81.309880
EGHUNNO OU STANKE OF THE STANK	SURVEYING AND MAPPING SERVICES PERFORM ALLEGHENY SURVEYS, 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608		ARED FOR: QT Production Constitution P.O. Box 280 Bridgeport, WV 26330	ompany 02/10/2017

Topo Quad:	Pax 7.5'	Scale:	1" = 2000'	
County:	Fayette	Date:	January 11, 2017	
District:	Valley	Project No:	57-05-00-07	
4	17-019-00510 WV 09621	11 (Lawsor	W. Hamilton #3)	Торо
HIS CONTRACTOR OF THE PARTY OF	Big Hollow	Kingstor Cemeteri	East K	ALL CARREST
141	2000		MILBURN	RD Scarbro Cem
1800	47-019-00510	Kingston	Wriston Cem	GR-15/4
Hodge Knob	WV 096211	Wilburg Cr.	7100 A A A A A A A A A A A A A A A A A A	A STATE OF THE STA
The state of the s	Paint Mtn RALFIGH CO	ick Knob Lookout Lick Tower Knob	N: 351,56 E: 1,910, WGS 84 LAT: 37.5 Conference	616.12 965195 14269880
VEGHEN OUT OF THE PROPERTY OF	SURVEYING AND MAPPING SERVICES PERF ALLEGHENY SURVEY 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608	S, INC.	ARED FOR: JAN 18 QT Production Co F.O. B.D. B.D. 26330tn Enhautement and F	inpany inpany inent of Protecti2017



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT:I	EQT PRODUCTION	COMPANY	
LEASE NAME	AND WELL No	Lawson W. Hamilton #3 - WV 096211 - API No. 4	47-019-00510.

POTENTIAL SAMPLE LOCATIONS

Site: <u>1</u>	Spacing:	300	+/-	Owner:	Alpha Natur	al Resources	 	
Address	: 300 Run	ning Right	Way,	Julian, W	/V 25529		Phone No	
Commer	nts.							

BIRCH RIVER OFFICE 237 Birch River Road

Birch River, WV 26610 phone: 304-649-8606 fax: 304-649-8608 BRIDGEPORT OFFICE

172 Thompson Drive Bridgeport, WV 26330 phone: 304-848-5035 fax: 304-848-5037 ALUM CREEK OFFICE P.O. Box 108 * 1413 Childress Rd Alum Creek, WV 25003

phone: 304-756-2949 fax: 304-756-2948 Office of Oil and Gas

MARKINSBURG OFFICE

Ad 2012 Drive
Marrinsburg, WV 25404

WV Department² Of

Environmental Projection 7

Topo Quad:	Pax 7.5'	Scale:	1" = 2000'	
County:	Fayette	Date:	January 11, 201	7
District:	Valley	Project No:	57-05-00-07	
Water	17-019-00510 WV 096211	(Lawson	W. Hamil	ton #3)
Skiner	1 Potential Water S	Source withi	1	
3	Big Hollow		Milhuring	East Kingsto Stover Cem MILBURN RD Scarbro Cem
30	Kin	ngston		Wriston Cem
	47-019-00510 WV 096211			1200 1200 1200 1200 1200 1200 1200 1200
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	Paint RALEIGH CO		2500	NAD 27, South Zone N: 351,561.23 E: 1,910,616.12
100 FT 1	Lick Hr. Lick K. Look	out Lick wer Knob	Offi	WGS 84 LAT: 37.965195 PEDEO(1 620.18'
LEGHEN ON OUT OF THE PROPERTY	SURVEYING AND MAPPING SERVICES PERFORM ALLEGHENY SURVEYS, 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608	INC. PREPA	RED FOR: QT Produc VP/O En pip ggg	JAN 1 8 2017 Gas tion Company Decreption of Wind Gas The company



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

API: 47-019-00510 WELL NO.: WV 096211 (Lawson W. Hamilton #3)
FARM NAME: Lawson W. Hamilton Jr., et al.
RESPONSIBLE PARTY NAME: EQT Production Company
COUNTY: Fayette DISTRICT: Valley
QUADRANGLE: Pax 7.5'
SURFACE OWNER: Acin, LLC
ROYALTY OWNER: Acin, LLC
UTM GPS NORTHING: 4201999
UTM GPS EASTING: 472780 GPS ELEVATION: 494 m (1620 ft)
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.
#2180 1/12/17 Signature Title Date



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Plugging Permit #096211

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Plugging Permit #096211

Scarbro, WV 25910 600 Resource Drive Kingston Mining, Inc.

to Article Addressed to:

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so that we can return the card to you. Print your name and address on the re

mitting Department 280

D. Is delivery address different from item 1? \square Yes If YES, enter delivery address below: \square No C. Date of Delivery

B. Received by (Printed Name)