

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

May 20, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-9701863, issued to EQT PRODUCTION COMPANY, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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

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

James Martin

Operator's Well No: 9

Farm Name: MOSS, L. L. API Well Number: 47-9701863

Permit Type: Plugging
Date Issued: 05/20/2016

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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.

Form WW-4 (B) Permit Copy (Rev 2/01) RECEIVED Office of Oil and Gas



Date:	April 12, 2016	
Operator's Well		_
Well No.	151641 (L. L. Moss #9)	
API Well No .:	47 097 - 01863	_

MAY 1 7 2016

STATE OF WEST VIRGINIA **DIVISION OF ENVIRONMENTAL PROTECTION**

	ronme	API	LICATION	N FOR A PERM	IT TO PLUG	ND ABANDON		
4)						ADAIRDON		
Well T		Oil	Gas		d Injection	Waste Disp	osal:	
If Gas,	Produc	ction	X	Or Underground	d storage	Deep	Shallow	
5)		Elevation:	2178 ft.	Watershed:				
Location		Washir	ngton	County:	Upshur	Quadrangle:	Ellamore 7.	5'
5)		EQT Pro	oduction Co	mpany	7) Design	ated Agent: Rex	C. Ray	
	perator		fessional Pl		Addres			
Addres	SS:	Bridgep	ort, WV 263	330		Bridgeport, WV		
3)					9) Pluggir	g Contractor:		-
Oil & G		an Harris			Name:	HydroCarbon Well	Service	
Name:	_	O. Box 157	A+			s: PO BOX 995	33,7100	
Addres	s: Vol	ga, WV 262	238			Buckhannon, WV	26201	_
				ne manner of plug procedures.	ging this well is	as follows:		
					ging this well is	as follows:		

PLUGGING PROGNOSIS

L.L.Moss#1 1055 # 9 151641 District, Washington Upshur, WV API # 47-097-01863 BY: R. Green DATE: 11/30/15

CURRENT STATUS: Elevation @ 2230' TD @ 3887' 11" csg @ 8' 8 5/8" csg @ 673' (CTS) 4 1/2" csg@ 3836' (CTS) Freshwater, @ none reported Saltwater @ none reported Gas shows @ 1376'- 1404', 3592'- 3610', & 3722'- 3740'

Oil shows @ none reported Coal @ 353', & 616'

1. Notify State Inspector, Bryan Harris, 304-553-6087, 24 hrs. prior to commencing operations.

2. RIH check TD. 500' 3850' — Bottom Love Plag - Bottom 2. RIH check TD. 500' 3850' — Bottom hole 7' 9
3. TIH tbg to 3750'set 400' C1A cement plug 3750' to 3350'. (Upper and Lower Benson perforations).

TOOH tbg to 3350', gel hole 3350' to 2400.

TOOH tbg to 2400' set 200' CIA cement plug 2400' to 2200' (Elevation).

TOOH tbg to 2200', gel hole 2200' to 1500'.

7. TOOH tbg to 1500' set 300' C1A cement plug 1500' to 1200', (Big Injun perforations).

TOOH tbg to 1200', gel hole 1200' to 700'.

TOOH tbg to 700', set 200' C1A cement plug 700' to 500', (8 5/8" casing seat).

10. TOOH tbg to 500'gel hole 500' to 400'.

11. TOOH tbg to 400', set 400' C1A cement plug 400' to surface.

Erect monument with API# and date plugged.

13. Reclaim location, roads to WV-DEP specifications.

FREEDONT, CUT & POLL 41/2" CASING IF POSSIBLE RECEIVED Office of Oil aner ---PLACE 100' CIA CEMENT PLUG ACROSS CASINO CUT. MAY 1 7 2016 WV Department of Environmental Protection OG-10 Rev. - 9-71



Oil and Gas Division



JAN 2 1 1979

OIL & GAS DIVISION PEPT. OF MINES STATE OF WEST VINGINIA DEPARTMENT OF MINES

Union Drilling Corp. Rig #6

	WELL	RECORD	8	Rotary_X	Oil
Quadrangle Sago					Gas_X
					Comb
Permit No. Ups - 1863				Water Floo	d_ Storage
47-097				Disposal	(Kind)
Company NRM Petroleum Corporation		Corres and	(9), 203	1.12	
Address P.O. Box 816, Buckhannon,		201 (asing and	Used in	Left	Cement fill up
Farm L.L. Moss A	res317	Tubing	Drilling.	in Well	Cu. ft. (Sks.)
Location (waters) Mid. Fk. River		64			1
Well No. 9 El		Size	1	1.	
District Washington County Upsh	iur	20-16 Cond.	1		
The surface of tract is owned in fee by					
		<u>////0" 11"</u>	81		
A d A d A d A d A d A d A d A d A d A d		9 5/6	-		
Address		8.5/8	6731	6731	190 sks. Hal.
Mineral rights are owned by		7			
Address		5 1/2			
Drilling Commenced 10-16-78		4 1/2		3836'	520 sks. Hall
Drilling Completed 10-21-78		3		5555	Jeo Sks. Hall
nitial open flow 223M cu. It.	hbls	1			
Final production 1138M cu. ft. per day _	bble	Lines Used			
Well open hrs. before test	650# un			-	
1st stage Frac L. Benson with	500 gal. HO	Attach copy of c	0/400.30.0	00# 20/40	in 617 bbl. H
Bd. 2300#, ATP. 2035#,	ISI. 1200#.	ATR 40.1 BF	M		
2nd stage Frac Upper Benson wi	th 500 gal.	HC1. 10000#	80/100 3	00004 207	40 1- 500 LLT
Bd. 2500#, ATP 1450#, E	SI 800#. AT	TR 34.1 RPM	00/100, 5	207	40 III 390 BBI4
3rd stage Frac Injun with 500	gal. HCl. 4	40 000# 20/40	in 503 bb	1 4.11	
Bd, ATF 1200#, ISI	500# ATR 3	3 5 RDM	111 303 00	. nail.	i
coal was encountered at 353-356, 616-61	0 0	J.J BER			
resh water	- Feel		Inche	2	2
resh water Fee	P 7	Salt W	ater	100 010 0	Feet
roducing Sand Lower Benson, Upper	benson, inj	Un Depth Holes	14		
		notes	14	14	14
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water *	Remarks
GL.	0	10			
Sand & Shale	10	10			j
Shale & Sand	128	128			5
Sand	266	266			X.
Shale & Sand	312	312 353			9
Coal	353	356		2	3
Shale & Sand	356	446		Recei	VOC /
Sand	446	496	APR 215		a a
Shale	496	616	Offi	CG DLF	II A Gas
Coal	616	618			
Sand & Shale	618	684		APR 18	Z1116 .
Shale	684	722			2
Sand	722	700			

Shale & Sand

Little Lime

Blue Monday

Sand & Shale

Sand & Shale

Fourth Sand

Big Lime

Shale

Injun

Gordon

Shale

788

1068

1096

1132

1140

1316

1406

1780

1802

1904

1924

1926

Gas chk. 1504 239M

05/20/2016

722

788

1068

1096

1132

1140

1316

1406

1780

1802

1904

1924

^{*} Indicates Electric Log tops in the remarks section.

		The state of the s	Oil, Gas or Water * Remarks
Fifth Sand	1926	2002	
Shale & Sand	2002	2114	
Bayard	2114	2124	
Shale & Sand	2124	2464	Con able 21051 care
Speechley	2464	2488	Gas chk. 2185' 82M
Shale & Siltstone	2488	3584	O
Jpper Benson	3534	3610	Gas chk. 2809' 246M
Shale & Siltstone	3610	3716	0 11 00001 110
Lower Benson	3716	3740	Gas chk. 3616' 223M
Shale & Siltstone	3740	5740	Gas chk 3804' 223M
	3736		Gas Cirk 3604 223M
COTAL DEPTH		3887	
ogged by Allegheny Nuclear	Surveys Ga	nma - Densi	ty - Temperature - Induction
nitial open flow 223 Mcf	per day		
mare the water one and		1	
		1	
			Rocelved
İ			Office of Oil & Gas
		1	V Gas
			APR 1 8 2016
			V M 400 ZUIN

(Title) 05/20/2016

	9662
- 1 2 3	Letitude 38° 15'00'
-1	Tanney 13th of 15min Tope & Smin Tope & Ruch
1 the white	Moenter Koek Rock Hoenter K
Mass.	B Moss 7382 B Moss 7382 A-NOS-51W, 6160'
8 113	B-308-00E, 6175
Minimum Error of Cl Sourge of Elevation	OSUTE 1'11. ECC. US 65-BM - Ella MORE - 1842
Drill Deeper	hereby certify that this map is correct to the best of my knowledge and he information required by paragraph 6 of the rules and regulations of not the mining laws of West Virginia."
Company NRM Petauleum Coep Address PO Bis 200 Blockhamon Form A Miss Buckhamon Tract Acres 3 Lease No.	STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION CHARLESTON CONVOID THE REST OF CONVOID THE RE
Well (Farm) No. Serial No. Serial No. Quadrangle O. Serial No. Ser	WELL LOCOTION MAP CASS
Engineer's Registration No.	+ 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
File No Drawing No Date C E Scale	tracing. 47 -09 705/20/2016

4600' Bo ... om -

WW-4-A	
Revised 6/07	

1) Date: April 12, 2016
2) Operator's Well Number
151641 (L. L. Moss #9)
3) API Well No.: 47 097 - 01863

County

Permit

State

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS

4)	Surface Owner(s)	to be served:	5) (a) Coal Operator:	9
	(a) Name	Moss Family L. L. C.	Name None	
	Address	5 S. Primrose Lane	Address	
		Ocean View, DE 19970		
	(b) Name		(b) Coal Owner(s) with Declaration	
	Address		Name None	
			Address	
	(c) Name		Name	
	Address		Address	
2)	Inspector	Bryan Harris	(a) Cool I associately Declaration	
0)	Address	P. O. Box 157	(c) Coal Lessee with Declaration	
	Address		Name None	
	Telephone	Volga, WV 26238 (304) 553-6087	Address	
			-	

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 Its: Permitting Supervisor Address: PO Box 280 Bridgeport, WV 26330 Telephone: (304) 848-0076 Subscribed and sworn before me this day of 2016 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 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.

STATE OF WEST VIRGINIA

Bridgeport, WV 26330

My Commission Expires February 20, 2018

NOTARY PUBLIC Misty S Christie 1207 Briercliff Rd APR 18 Luis

05/20/2016

S. Long and Address of the Control o

WW-9 Revised 2/03

Page of				
2) Operator's V	/ell Nu	mber		
151641 (L. L. N	loss #	9)		
3) API Well No.	: 47	097 -	01863	

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name:	EQT PRODU	JCTION COMPAN	1Y		OP ID: _		
Watershed:				Quadrangl	e:	Ellamore 7.5'	
Elevation:	2178 ft.	County:	Upshur	Dist	trict:	Washington	
Description of anti-	cipated Pit Wast	e:		Formatio	n Fluids		
Do you anticipate will synthetic liner				ne proposed we what ml.?	ell work?	Yes No. 20 40-ml	X 940
Proposed Disposa	Land App Undergro Reuse (a	olication ound Injection - UIO t API Number) - Vi sposal Permit #.	arious	er	Ξ		
Drilling medium an If oil ba Additives to be use	ticipated for this sed, what type?			etc.	4		
I certify that I ur issued on August 2 understand that the permit and/or othe I certify under pena application form ar obtaining the inform	pit and plan to sol or offsite name/pe nderstand and ag 1, 2005, by the C e provisions of the r applicable law alty of law that I ind all attachment mation, I believe	gree to the terms a office of Oil and Ga ne permit are enfor or regulation can le have personally ex ts thereto and that that the informatio	and conditions of as of the West Varceable by law. ead to enforcement amined and amined and amined and are to based on my interest accurately.	f the GENERAL /irginia Division Violations of an ent action. In familiar with the inquiry of those ate and comple	L WATER P of Environr ny terms or ne information individuals inte. I am aw	nental Protection condition of the g on submitted on the mmediately responses that there are	. I eneral his onsible for
significant penaltie	s for submitting	raise information,	including the po	ssibility of fine	or imprisonr	nent.	
Company Off	icial Signature		1/1	ut.		_	
Company Off	icial (Typed or	Printed) Vid	ctoria Roark				
Company Off	icial Title	Permi	itting Supervis	or-WV			
	d sworn before n			Mark		, 201	6
	W	steed Ch	ustie	0	Natani Dubi	ia.	
My Commissio	n Expires			2/20/1	Notary Publ	ic .	
VYNNVINNVINNVINNVINNVINNVINNVINNVINNVINN	S VEST	OFFICIAL SEAL STATE OF WEST VIRG NOTARY PUBLIC Misty S Christ 1207 Briercliff Rd Bridgeport, WV 26330 mission Expires February 2	ie www.				05/20/2

			<u>15164</u> 1 (E	L. Moss #9)
	LEGE	ND		
Property Boundary		Diversion	1111	1111
		Spring	Wet Spot	
Road		→	4	
Planned Fence	Drain Pipe with	Drain Pipe with size in inches		
-/-/-/		13	G+C-	
Existing Fence	Stream	/ =	Cross Drain	
Open Ditch	Artificial Filt	er Strip	Rock	
	-	CX	8588	
North	Building	Water well	Drill site	
N		W	\oplus	
Pit with Cut Walls	atment: Acres Disturbed:	1± Prevegetation	pH	
posed Revegetation Trea	Tons/acre or to correct to pH	6.5		>
osed Revegetation Treatime 3 Fertilizer (10-20-20) or	Tons/acre or to correct to pH		pH lbs/acre (500	bs minimum
osed Revegetation Treatime 3 Fertilizer (10-20-20) or	Tons/acre or to correct to pH equivalent Tons/acre or hydroseed.	6.5 1/3 ton		bs minimum
osed Revegetation Treatime 3 Fertilizer (10-20-20) or	Tons/acre or to correct to pH	6.5 1/3 ton		lbs minimum
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2	Tons/acre or to correct to pH equivalent Tons/acre or hydroseed.	6.5 1/3 ton	lbs/acre (500	bs minimum
osed Revegetation Treatine 3 Fertilizer (10-20-20) or fulch 2	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES	6.5 1/3 ton	lbs/acre (500	
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2 Area I Seed Type Red Fescue Isike Clover	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40 5	6.5 1/3 ton Seed Type	lbs/acre (500	lbs/acre
osed Revegetation Treatime 3 ertilizer (10-20-20) or fulch 2 Area I Seed Type ed Fescue Isike Clover	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40	6.5 1/3 ton Seed Type Red Fescue	lbs/acre (500	lbs/acre
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2 Area I Seed Type Fed Fescue Isike Clover	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40 5	6.5 1/3 ton Seed Type Red Fescue	lbs/acre (500	1bs/acre 15 5
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2 Area I Seed Type Red Fescue Isike Clover Innual Rye	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40 5 15	Seed Type Red Fescue Alsike Clover	Ibs/acre (500	1bs/acre 15 5
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2 Area I Seed Type Fed Fescue Isike Clover Innual Rye TTACH: Trawing(s) of road, locat	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40 5 15	Seed Type Red Fescue Alsike Clover	Area II REC	1bs/acre 15 5
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2 Area I Seed Type Field Fescue Isike Clover Innual Rye ATTACH: Frawing(s) of road, locate hotocopies section of in	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40 5 15	Seed Type Red Fescue Alsike Clover	Area II REC	1bs/acre 15 5
osed Revegetation Treatime 3 Fertilizer (10-20-20) or fulch 2 Area I Seed Type Red Fescue Isike Clover Innual Rye	Tons/acre or to correct to pH requivalent Tons/acre or hydroseed. SEED MIXTURES Ibs/acre 40 5 15 ion, pit and proposed area for land avolved 7.5' topographic sheet.	Seed Type Red Fescue Alsike Clover	Area II REC	1bs/acre 15 5

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



May 4, 2016

Mr. Jeff McLaughlin West Virginia Department of Environmental Protection Office of Oil and Gas 601 57th Street SE Charleston, WV 25304

Re: Revision of 47-097-01863

Dear Mr. McLaughlin,

Enclosed is an updated WW-9 for the above API number. The disposal method was updated from Land Application, which now requires a permit, to Reuse and Offsite Disposal. I have sent new pages to the inspectors for their signatures.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

Vicki Roark

Permitting Supervisor-WV

Enc.

Office of Oil and Gas

MAY 0 5 2016

WV Department of Environmental Protection

Topo Quad: _	Ellamore 7.5'	Scale:	1" = 2000'	
County:	Upshur	Date:	January 25, 2016	
District:	Washington	Project No: _	39-09-00-09	
	47-097-01863 W	V 151641 (L	. L. Moss	#9) Topo
	Kedron	7-097-01863 WV 151641		Gale 70.20
TALLY CONTRACTOR OF TALLY	MANSVILLE TIO	2000 - 1/01s		NAD 27, South Zone N:688469.96 E:2250332.17 WGS 84 LAT:38.887504 LONG:-80.120393 ELEV:2178.44
WEGHE OF THE PROPERTY OF THE P	SURVEYING AND MAPPING SERVICES F ALLEGHENY SURV 1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 FAX: (304) 649-8608	Access to the second of the second	P.O. Bridgepo	tion Company Box 280 ort, WV 26330 05/20/2016



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: ___EQT PRODUCTION COMPANY LEASE NAME AND WELL No. L. L. Moss #9 - WV 151641 - API No. 47-097-01863

POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 151641.

Received Office of All & Alas APR 18 7919

BIRCH RIVER OFFICE

237 Birch River Road Birch River, WV 26610 phone: 304-649-8606 Jax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive Bridgeport, WV 26330 ponue 304-848-5035 Max: 304-848-5037

ALUM CREEK OFFICE

P.O. Box 108 · 1413 Childress Rd Alum Creek, WV 25003 poone 304-756-2949 Mx: 304-756-2948

MARTINSBURG OFFICE

25 Lights Addition Drive Martinsburg, WV 25404 Nome: 304-901-2162 05/20/2016

Topo Quad:	Ellamore 7.5'	Scale:	1" = 2000'	2
County:	Upshur	Date:	January 25, 201	6
District:	Washington	Project No:	39-09-00-09	
Water	47-097-01863 WV	151641 (L.	L. Moss	#9)
6/10 CR.16/	No Potential Water	er Sources with	nin 1000'	Gale
2000	47-	2000- 097-01863 V 151641		P. 2014
	CR-9122	1200	R CO By	The state of the s
TALL MANNEY REAL PROPERTY OF THE PROPERTY OF T	(R-26)			2 200
7700 TALLN	ANSVILLE 2200	Office	received PR 1 8 2016	NAD 27, South Zone N:688469.96 E:2250332.17 WGS 84 LAT:38.887504 LONG:-80.120393 ELEV:2178.44
EGHEN O	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		P.O	ction Company D. Box 280 Fort, WV 26330 05/20/2016



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

Z. Z. B. L. Stan L. W. C. L. S.	ss #9)
FARM NAME: L. L. Moss	
RESPONSIBLE PARTY NAME: EQT Production Company	
COUNTY: Upshur . DISTRICT: Washi	ington .
QUADRANGLE: Ellamore 7.5	•
SURFACE OWNER: Moss Family, LLC	
ROYALTY OWNER: Thurstone FL, et al.	
UTM GPS NORTHING: 4304661	
UTM GPS EASTING: 576288 . GPS ELEVATION:	664 m (2178 ft)
The Responsible Party named above has chosen to submit GPS coo	ordinates in lieu of
The Responsible Party named above has chosen to submit GPS coopreparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coordinate the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: 1	d API number on the ates that do not meet
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: 1	d API number on the ates that do not meet meters, Altitude:
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: reference to height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters	d API number on the ates that do not meet meters, Altitude:
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: reference to height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method:	API number on the ates that do not meet meters, Altitude: Received Office of Oil & Gas
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: reflected height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Differential	d API number on the ates that do not meet meters, Altitude:
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: reference 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 _X_: Post Processed Differential	API number on the ates that do not meet meters, Altitude: Received Office of Oil & Gas APR 1 8 2016
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: Inheight 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 _X : Post Processed Differential Real-Time Differential 4. Letter size copy of the topography map showing the search of the search	API number on the ates that do not meet meters, Altitude: Received Office of Oil & Gas APR 1 8 2016
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: respectively. The 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 _X : Post Processed Differential Real-Time Differential 4. Letter size copy of the topography map showing the state of the undersigned, hereby certify this data is correct to the best of many contents.	API number on the ates that do not meet meters, Altitude: Received Office of Oil A Gas APR 1 8 2016 well location. by knowledge and
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: reference 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 _X : Post Processed Differential Real-Time Differential 4. Letter size copy of the topography map showing the relation of the second of the second of the best of methods and shows all the information required by law and the regulation.	API number on the ates that do not meet meters, Altitude: Received Office of Oil A Gas APR 1 8 2016 well location. by knowledge and
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: respectively. The 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 _X : Post Processed Differential Real-Time Differential 4. Letter size copy of the topography map showing the state of the undersigned, hereby certify this data is correct to the best of many contents.	API number on the ates that do not meet meters, Altitude: Received Office of Oil A Gas APR 1 8 2016 well location. by knowledge and
preparing a new well location plat for a plugging permit or assigned above well. The Office of Oil and Gas will not accept GPS coording the following requirements: 1. Datum: NAD 1983, Zone: 17 South, Coordinate Units: reflect 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 _X : Post Processed Differential Real-Time Differential 4. Letter size copy of the topography map showing the relation of the second of the second of the best of modelief and shows all the information required by law and the regulation.	API number on the ates that do not meet meters, Altitude: Received Office of Oil A Gas APR 1 8 2016 well location. by knowledge and