

# 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

November 17, 2015

## WELL WORK PLUGGING PERMIT

# Plugging

This permit, API Well Number: 47-3901826, 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: HARDY A-5-1360

Farm Name: HARDY, WALLER C., JR.

API Well Number: 47-3901826 Permit Type: Plugging

Date Issued: 11/17/2015

# **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.

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

Date:

October 19, 2015

Operator's Well

Well No.

127511 (Hardy A-5-1360)

API Well No .:

039 - 01826

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

1)					D ABANDON		
Well Type: Oil	Gas _	X	Liquid Injection _		Waste Disp	oosal:	
If Gas, Production	X	Or Under	ground storage _		Deep	Shallow	X
5) Elevation:	727 ft.	Watershe	d: Davis Creek				
Location: Loud	lon	County:	Kanawha	1	Quadrangle: _	Charleston W	est 7.5
District:	advatian O		7) D		d Asserts David	C D	
	oduction Confessional P			ignate ress:	ed Agent: Rex 120 Profession		
the state of the s	ort, WV 26	***	Add	ress.	Bridgeport, W		
	OIL, VV V 20.	330				V 20330	
)					Contractor:		
Oil & Gas Terry Urban Name: P. O. Box 120	7	-	Nam		HydroCarbon We PO BOX 995	Service	
Address: Clendenin, W			Add	1655.	Buckhannon, WV	26201	W
See Attachment for o			of plugging this we s.	ell is a	s follows:		
	details and	procedure	s.			et	
	details and	procedure	s.		s follows:	et Recei	ved
	details and	procedure	s.				

=	OFFICE USE ONLY
	Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.  Date 10 26 15

W.Hardy #5 127511 District, Loudon Kanawha Co. WV API # 47-039-01826 BY: R. Green DATE: 09/9/15

#### CURRENT STATUS:

Elevation @ 728' TD at 1676' 8 1/4"csg @ 25" 7" csg @ 285' 5 3/16" csg @ 1246'

Core Wide Cerust

Gas shows @356',1300'to1315',1381'to1393',1496',&1575' - Cover All Gas Shows with Cent

1. Notify State Inspector, Terry Urban, 304-549-5915, 24 hrs. prior to commencing operations.

2. TIH tbg to 1650', set 450' C1A cement plug, 1650' to 1200', (gas shows and 5" casing seat). — OK

3. TOOH tbg to 1200', gel hole 1200' to 1000', TOOH tbg.

4. Free point and cut 5" casing (EST @ 1000') TOOH casing.

5. 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.

6. TOOH tbg to 950', gel hole 950' to 775'.

7. TOOH tbg to 775', set 100' C1A cement plug 775' to 675', (Elevation).

8. TOOH tog to 675', gel hole 675' to 400'.

9. TOOH tbg to 400' set 200' C1A cement plug 400' to 200' (Gas show, saltwater, coal, and 7" casing seat). TOOH tbg.

10. Free point and cut 7" casing (EST @ 150'). TOOH casing.

11. Set 200' C1A cement plug, 50' inside casing cut to surface, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.( Coal, freshwater, & 8" casing seat).

12. Erect monument wit API#.

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

Produciral Bush 11634

OCT 2 6 2015

127511



#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 4

Quadrangle Chas. 8 SW

Permit No. Kan-1826

### MITH DECOME

RECORD		Oil or	Gas Well gas
			(KIND)
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
13			none
10	251411	251411	Size of
	284'11"		
/a <sub>53/16</sub> 14#	1246'4"	124614"	Depth set
2 3/8" 4#	1423'8"	1423'8"	Perf. top Perf. bottom Perf. top
			Perf. bottom
			No, FtDate
290 FEET	24_INC	HES	FEETINCHES
	Tubing  Size  10	Casing and Tubing Used in Drilling  Size  16. 13. 10. 8½ 7'! 23# 284'11'! 7a <sub>5</sub> 3/16'! 14# 1246'4'! 3 2 3/8'' 4# 1423'8'! Liners Used. w/ 2'' cage  CASING CEMENTFD  See reverse.  COAL WAS ENCOUNTERED 290. FEET 24. INC.	Oil or    Casing and Tubing   Used in Drilling   Left in Well

RESULT AFTER TREATMENT. 39/10 W. 2" = 263MCF-all gas (Big Lime, Big Injun and Weir) ROCK PRESSURE AFTER TREATMENT 96 hours 360# Fresh Water 501 .

Formation Color - Soft	Тор	Bottom	Oll, Gas or Water	Depth	Remarks
Soil	0	25			
Sand	25	50	F. water	501	hole full
Slate	50	62	The state of		100000
Coal	62	64			
Slate	64	100	2 1 7		
Sand	100	190	4		1
Slate	190	280			1
Gritty Lime	280	290			100
Coal	290	292			
Sand	292	485	S. water	3501	hole full
Slate	485	541	Gas	3561	show
Sand	541	660		627 2829.3	13
Slate	660	671	1	4250cm	PIZZ
Sand -	671	750		2000	(m)
Slate	750	775	l fe	MAY 1902	TO A
Lime-	775	- 815	. 6	RECEIV	6
Sand	815	1040		RECEIVE West Vire	Aines Col
Lime	1040	1096		RECEIV West Vire Dept. of N	10/
Sand	1096	1124		SI CHIO	11/2
Lime	1124	1160		STOLET	Qui
Big Lime	1160	1395	Gas	1300-101	show
Big Injun	1395	1425	Gas		2/10 W. 1"37M
Slate and Shells	1425	1676	77332		Exh.
			Gas		cr. fm. show to
Total Depth		1676'			10-W-1"533M
ample Analysis on reverse side			Gas Gas	1496! incr.	TE GAVED

OCT 2 2 2015

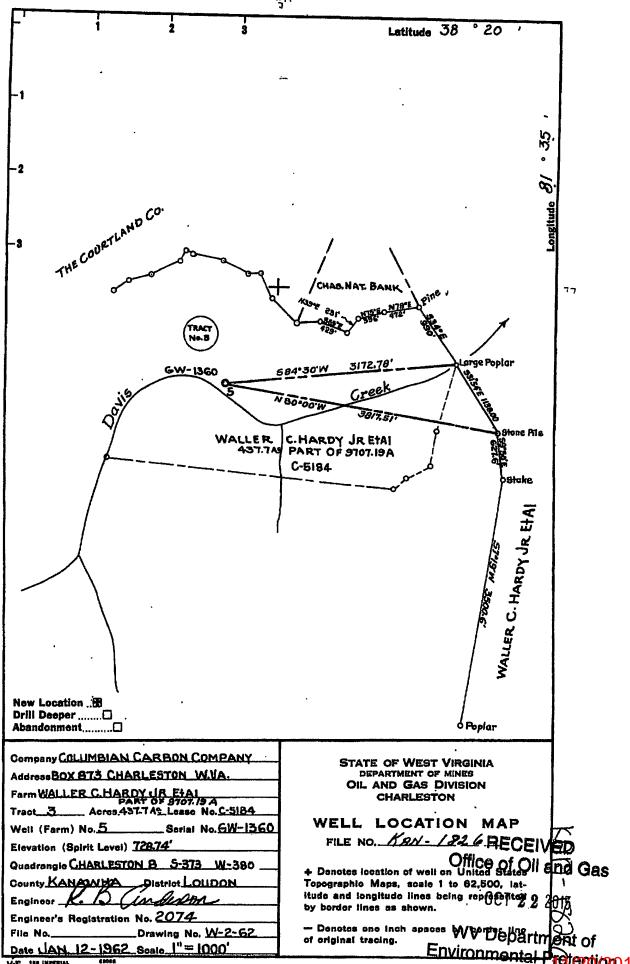
11/20/2015 WV Department of Environmental Protection

Pormation .	Color	Hard or Boft	Top 4	Bottom	Oil, Gas er Water	Depth Found	Remarko
Samples sho	w:						
Big Lime	· · · · · · · · · · · · · · · · · · ·		1140			•	
Keener Sand		!	1163 1398	1398 1422	<b>[</b> ;		l
Big Injun	ļ	,	1450	1520			
Veir			1623	1660	·		<b>!</b>
							[
Casing Re	COPD						
· ·	JOKD .					- !	
3-31-62 Ra	n 7" casin	g at 282'DL	M with shoe	- šet in 10'	red mud.		
			• •	*			
-17-62 Ra	n 5-1/2" d	asing with a	hoe 1237'DI	M - set in	22' red mud	_	
97	casing in	in, Picked	up casing an	d dumped 5	sacks ceme	nt-	·
	COULTE IN	Comona	••				
				•		• -	
RACTURE	d big inj	UN 5-1-6Z					
lhow of mag	in hihina	efore fract	nina Buna	-4 t- E00	11cm 24CA	anabad Ma	
lown at 2500	#. Starte	sand 1/2#/	rang. Fump	reased to 2	1/4#/gallon	scared, pr	OK6
400# maxir	num - 180	O# average.	Time 7 min	utes. Flush	ed with 12 b	bls. water.	Used
/2 drum 'T	MN - 1/2	lrum T-08,	365 bbls. w	ner, 24,00	0# sand. 10	minutes afte	r
hut down 1	00#. Ave	age injectio	n rate 14 bb	ls/minute.	Pulled pack	or to 1251' s	nd reset,
		1		-		'	1
CIDIZED E	IG LIME	5-1-62					1 .
Acidized wit	h 3,000 gs	lions acid.	Flushed wit	h 20 bbis. w	ator, Maxir	oum pressu	e 1375#.
Test sumt su	on winnte	s - opened w	err = mowed	Dack acid.	Futted mort	B sno asime	u thru weir
	,			- '-	[	,	,,,,,
HOT WEIR	AND BIG	INJUN 5-9-	62				ļ
		01	0.4.000 8410	G-1-4- 6			
	1961 4- 196		NE OUT ALLE	dement a	mor not semi	led - set off	WILL
	76' to 139		<b>1</b>			l .	l .
				<b>!</b>			Ì
ack. Bailer	went to 1		4191				
ack. Bailer	went to 1	419'	4191				
ack, Bailer i11-62 Ran	went to 1	string to 1,		s (Big Lime	, Big Injun (		
ack, Bailer i-11-62 Ran	went to 1	419'		e (Big Lime	, Big Injun (		
ack, Bailer i-11-62 Ran Final open	went to 1	string to 1,		s (Big Ldme	, Big Injun (		
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ack, Bailer i-11-62 Ran Final open	went to 1	string to 1,		s (Big Ldme	, Big Injun		
ack, Bailer i-11-62 Ran Final open	went to 1	string to 1,		s (Big Lime	, Big Injun		
ack, Bailer i-11-62 Ran Final open	went to 1	string to 1,		e (Big Lime	, Big Injun		
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ack, Bailer i-11-62 Ran Final open	went to 1	string to 1,		s (Big Lime	, Big Injun		
ack, Bailer -11-62 Ran Final open	went to 1	string to 1,		s (Big Ldme	, Big Injun		
ack, Bailer -11-62 Ran Final open	went to 1	string to 1,		s (Big Ldme	, Big Injun		
ack. Bailer -11-62 Ran Final open	went to 1	419'		s (Big Ldme	, Big Injun		

APPROVED Columbian Office of Prod.

By W. S. Moore, Mgr. of Prod.

(THE) 7 2 2 2015



H-E 180 IMPERIAL

WW-4-A	
Revised 6/07	

1)	Date:		October	15	9, 2015	
2)	Operator's Wel 127511 (Hardy					
3)	API Well No.:	47	039	}	01826	
		Ctata	Country		Dormit	

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	r(s) to be served:	5) (a) Coa	al Operator:
	(a) Name	WV Dept. of Natural Resources	Name	None
	Address	Kanawha State Forest	Address	
		7500 Kanawha State Forest Drive		
		Charleston, WV 25314		
	(b) Name		(b) Coal O	wner(s) with Declaration
	Address		Name	Hardy Oil & Gas LLC
				and PFR WV Holdings LLC
			Address	C/O Bank of America, NA
				P. O. Box 844143
	(c) Name	The state of the s		Dallas, TX 75284-4143
	Address		Name	
			Address	
3)	Inspector	Terry Urban	(c) Coal Le	essee with Declaration
	Address	P. O. Box 1207	Name	None
		Clendenin, WV 25045	Address	
	Telephone	(304) 549-5915		

## 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.

OFFICIAL SEAVell Operator:	EQT Production Company
STATE OF WEST VIBGINIA &	Victoria J.Roark
NOTARY PUBLIC	Permitting Supervisor
Misty S Christieres	PO Box 280
1207 Briercliff Rd Bridgeport, WV 26330	Bridgeport, WV 26330
My Commission Expires Februaries	(304) 848-0076
Subscribed and sworn before methis	day of October, 2015
7 Justes Cher	Notary Public
My Commission Expires:	2/20/18 RECEIVED

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulation of Oil and Gas 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.

WW-9 Revised 2/03

Page of				
2) Operator's V	/ell Nu	ımber		
127511 (Hardy	A-5-1	360)		
3) API Well No	: 47	039 -	01826	

# 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 PROD	UCTION COMPAN	Y	OP ID:	
Watershed:		Davis Creek		_Quadrangle:	Charleston West 7.5
Elevation:	727 ft.	County:	Kanawha	District: _	Loudon
Description of antic	ipated Pit Was	ste:		Formation Fluids	5
Do you anticipate u Will synthetic liner	20 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		r to complete the	e proposed well work nat ml.?	Yes No_X
Proposed Disposal	Land Ap Undergr Reuse (	plication ound Injection - UIC at API Number) Nisposal Permit #.		10.266	
	ticipated for th sed, what type	is well? Air, freshwa? Synthetic, petrole			Roceived
Will closed loop sy					OCT 2 6 2015
The state of the s		eave in pit, landfill,			001 2 0 200
	or offsite name/p	olidify what medium wi	ii be used? Ceme	mt, Lime, Sawdust	Office of Oil and Gas
Landini	or oriente marrier,	-		W	V Dept. of Environmental Protection
issued on August 1 understand that the permit and/or other I certify under pena application form an for obtaining the in-	, 2005, by the a provisions of applicable law alty of law that d all attachme formation, I be	Office of Oil and Ga the permit are enfor or regulation can le I have personally ex ints thereto and that, lieve that the information	s of the West Vinceable by law. Note and to enforcement amined and am based on my inceation is true, according to the control of the control	rginia Division of En /iolations of any tern ent action. familiar with the info quiry of those individ	TER POLLUTION PERMIT vironmental Protection. I ns or condition of the general rmation submitted on this luals immediately responsible I am aware that there are risonment.
Company Offi	cial Signature		1/1	A /	
Company Offi	cial (Typed o	r Printed) Vict	oria Roark		
Company Offi	cial Title	Permitt	ing Supervisor	-WV	
Subscribed and	sworn before	me this 20th	day of	October Notary F	, <u>2015</u>
My Commission	Expires _	2/20/18	115 S	STATE OF WES  NOTARY F  Misty S C  1207 Brierclif  Bridgeport, WV  My Commission Expires F	Christie \$ 11/20

# OPERATOR'S WELL NO.: 127511 (Hardy A-5-1360)

# **LEGEND**

		Spring	Wet Spot	
Road		O	-6	
Planned Fence	Drain Pino	with size in inches		
///	Diain Pipe	with size in inches	Water Way	
_/_/_/	<del>2. 2</del>	— 12		•
Existing Fence	Stre	am	Cross Drain	
Open Ditch	Artificia	al Filter Strip	Rock	
		XXX.	8666	
North	Building	Water well	Drill site	
N		W	$\bigoplus$	
Lime3To	ns/acre or to correct to			
Lime 3 To	ns/acre or to correct to	p pH 6.5 1/3 ton	n pHlbs/acre (500 lbs	s minimum)
Lime 3 To	ns/acre or to correct to uivalent ns/acre or hydroseed.	o pH 6.5 1/3 ton		s minimum)
Lime 3 To	ns/acre or to correct to	o pH 6.5 1/3 ton		s minimum)
Lime 3 Too Fertilizer (10-20-20) or eq Mulch 2 Too Area I	ns/acre or to correct to uivalent ns/acre or hydroseed.	o pH 6.5 1/3 ton	lbs/acre (500 lbs	s minimum)
Lime 3 To Fertilizer (10-20-20) or equal Validation    Area I  Seed Type	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU	JRES Seed Type	lbs/acre (500 lbs	lbs/acre
Lime 3 To Fertilizer (10-20-20) or equal Validation 2 To Seed Type  Red Fescue	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU	p pH 6.5 1/3 ton	lbs/acre (500 lbs	
Fertilizer (10-20-20) or eq	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre	o pH 6.5  1/3 ton  JRES  Seed Type  Red Fescue	lbs/acre (500 lbs	Ibs/acre
Lime 3 To	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre 40 5	o pH 6.5  1/3 ton  JRES  Seed Type  Red Fescue	lbs/acre (500 lbs	Ibs/acre
Lime 3 To Fertilizer (10-20-20) or equal Mulch 2 To Area I  Seed Type Red Fescue Alsike Clover Annual Rye	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre 40 5	o pH 6.5  1/3 ton  JRES  Seed Type  Red Fescue	lbs/acre (500 lbs	Ibs/acre
Lime 3 To	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15	JRES  Seed Type  Red Fescue  Alsike Clover	Ibs/acre (500 lbs	Ibs/acre 15 5
Lime 3 To Fertilizer (10-20-20) or equivalent 2 To Area I  Seed Type Red Fescue Alsike Clover Annual Rye	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15	o pH 6.5  1/3 ton  JRES  Seed Type  Red Fescue  Alsike Clover  for land application.	lbs/acre (500 lbs	Ibs/acre 15 5
Lime3To  Fertilizer (10-20-20) or equal to the second s	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15	o pH 6.5  1/3 ton  JRES  Seed Type  Red Fescue  Alsike Clover  for land application.	Ibs/acre (500 lbs	Ibs/acre 15 5
Fertilizer (10-20-20) or equivalent 2 To Area I  Seed Type Red Fescue Alsike Clover Annual Rye  ATTACH: Drawing(s) of road, location, Photocopies section of involvents.	ns/acre or to correct to uivalent ns/acre or hydroseed. SEED MIXTU Ibs/acre 40 5 15	o pH 6.5  1/3 ton  JRES  Seed Type  Red Fescue  Alsike Clover  for land application.	Area II	15 5 5 VO d

Topo Quad: _	Charleston West 7.	5' Scale:	1"	= 2000'	
County:	Kanawha	Date:	Septem	ber 14, 2015	
District:	Loudon	Project	: No:	52-14-00-07	
	47-039-01826	WV 127511	(Hardy A-	5-1360)	Торо
1000 South 1000 1000 1000 1000 1000 1000 1000 10	1000	1100 1100 1000	to o so	CR. 10	TELHOLLOW RD 900 1100 11200
Number 2 Store Hollo	1000	Shrewsbury Hollow	1200	7140 900	1200
Portercam p Br	Number 2 Store Hollow White Hollow	1300	1200 1300 Off Höffman Hollow	NAD 27, S N:466641. E:1812597 WGS 84 RECENCED	7.14 (9819 . <del>65</del> 2704
TEGHENDA O O O O O O O O	SURVEYING AND MAPPING S  ALLEGHENY S  1-800-48: 237 Birch Ri Birch River, PH: (304) 6 FAX: (304)	URVEYS, INC. 2-8606 iver Road WV 26610 349-8606	PREPARED FOR:		



## POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: <u>EQT PRODUCTION COMPANY</u>
LEASE NAME AND WELL No. <u>Hardy A-5-1360 - WV 127511 - API No. 47-039-01826</u> .

#### POTENTIAL SAMPLE LOCATIONS

There appears to be no known water samples within the required 1000' of the existing well WV 127511.

BIRCH RIVER OFFICE

237 Birch River Road Birch River, WV 26610 phase: 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 • 141.3 Childress Rd Alum Creek, WV 25003 phone; 304-756-2949 fax: 304-756-2948 RECEIVED
Office of Oil and Gas

RANSON OFFICE 40 CTh 2a 2a 2015 Suite 3 Ranson, NV 25438 phane: 304-724-5008

WV Department of Environmental Protection 15

Topo Quad:	Charleston West 7.5'	Scale:	1" = 2000'			
County:	Kanawha	Date:	September 14, 2015			
District:	Loudon	Project No:	52-14-00-07			
Water	47-039-01826 WV	127511 (Ha	ardv A-5-1360)			
1000		/ater Sources wi		onet Hollow a		
	ON HAMPS NOSAWS.	12/12/		CILLOW RD		
1100	1000 1000 80 1100 1100 1100 1100 1100 1	1000		Cane-Fo		
1000	The state of the s		3	1100		
5	1720 SW	March	O S CONTROL OF THE PARTY OF THE	PRANCH RD		
72/11	Cin Som	Cat	Gut Hollow	000 1100		
The Control of the Co	1200		Prop (	Man "		
1000	Ranlesnake Run	Davis Cr.	To Table	1200		
1200	7/18	17-039-01826 WV 127511	000 1200 1200			
Number 2 Store Hol			900	1200-		
1200	Number 2 Store Hollow	1000	CR.22	1000		
Jan Jan	White Hollow		NAD 27, 3 N:466641 E:181259			
Portercamp B	1000 0 1200	1300	WGS 84 LAT:38.2	79819		
Polly F	Hollow S		Hoffman Holley	1.652704 V45D		
SURVEYING AND MAPPING SERVICES PERFORMED BY:  PREPARED FOR:  OTHICE OTHER STOPPEND GAS						
TO THE YEAR	1-800-482-8606 237 Birch River Road Birch River, WV 26610 PH: (304) 649-8606 EAY: (304) 849-8608	EYS, INC.   E	QT Production Con P.O. Box 280 VATO DAY WITE BAL Environ Potable FAN	t@fent of		

WW-7 8-30-06



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

API: 47-039-01826	WELL NO.: _	WV 127511 (	(Hardy A-5-1360) .
FARM NAME:Waller C.	Hardy, Jr., et al.		
RESPONSIBLE PARTY NA	AME: EQT Pro	duction Compar	ny .
COUNTY: Kanawha	, DI	ISTRICT:L	oudon
QUADRANGLE: Charles	ton West 7.5		
SURFACE OWNER: WY	/ DNR, Kanawha S	State Forest	
ROYALTY OWNER:Har	rdy Oil & Gas LLC	C, et al.	
UTM GPS NORTHING:	4237064 .		
UTM GPS EASTING:	442913 . GI	PS ELEVATIO	N: 222 m (727 ft)
The Responsible Party named preparing a new well location above well. The Office of Oil the following requirements:  1. Datum: NAD 1983 height above mean 2. Accuracy to Datum 3. Data Collection Me Survey grade GPS: P  Mapping Grade GPS _X  4. Letter size copy of I the undersigned, hereby certibelief and shows all the inform prescribed by the Office of Oil	plat for a plugging and Gas will not a sea level (MSL) – n – 3.05 meters ethod: Post Processed Different Post Processed Real-Time Different Real-Time Real-T	ccept GPS coord ccept GPS coord Coordinate Unit meters.  ferential ntial Differential erential map showing the	med API number on the dinates that do not meet ts: meters, Altitude:  X he well location. f my knowledge and
Stace O hom	~ PS#:	2180	9/30/15
Signature	Titl		Date