

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

September 30, 2013

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-10302923, issued to STONE ENERGY CORPORATION, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: MARTIN 3H

Farm Name: MARTIN, CHARLES & GWENDO

API Well Number: 47-10302923

Permit Type: Horizontal 6A Well

Date Issued: 09/30/2013

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled Water Well Regulations, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

WW - 6B (3/13)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

	WELL WORK I	ERMIT ALTEREA	103	5	554
1) Well Operator:	STONE ENERGY CORPORATION	494490923	Wetzel	Green	Porters Falls
		Operator ID	County	District	Quadrangle
2) Operator's Well	Number: Martin 7	#3H \	Well Pad Nam	e:Mar	tin
3 Elevation, currer	nt ground: 920' E	evation, proposed	post-construct	ion:	906'
4) Well Type: (a) G	Gas Oil	Underground	d Storage		
••••	Other				
(b) l	If Gas: Shallow	Deep			
	Horizontal =				Dali
5) Existing Pad? Ye	es or No: No				6-36-13
	Formation(s), Depth(s), Anticipa formation is the Marcellus Shale @ 6				
rock pressure will 7) Proposed Total V	range between 3,800 and 4,400 psi Vertical Depth: 6,650' TVD at	Landing Point and 6	6,600' TVD at T	D (Up-Dip W	ell)
8) Formation at Tot		Shale			
9) Proposed Total N	Measured Depth: 12,500'				
10) Approximate F	resh Water Strata Depths:	50' Shallowest and 7	25' Deepest		
11) Method to Dete	ermine Fresh Water Depth: Dep	th of bit when water sh	ows in the flowlin	e or when drill	ing soap is injected
12) Approximate S	altwater Depths: 1556'				
13) Approximate C	Coal Seam Depths: 720'				
14) Approximate D	Pepth to Possible Void (coal mine,	karst, other):	None An	ticipated	
	well location contain coal seams active mine? If so, indicate name a		No No		
16) Describe propo	sed well work:	MIRU conductor rig ar	nd set conductor in	nto solid rock ce	ementing to surface.
RDMO conductor rig	g and MIRU top-hole rig and drill to KOP w	hile setting surface and	l intermediate cas	sing string and	cementing them to
surface. RDMO top-	rig and MIRU horizontal rig. Drill curve ar	nd lateral on WBM, set p	production casing	and cement in	place. RDMO.
	ring/stimulating methods in detail nent. Clean out well bore and run CBL from approxim		e to surface. Perforat	e 21 individual sta	ges in the lateral section
of the well bore and stimu	ulate each individual set of perforations using slick w	ater and sand. MIRU service	e rig and flow well bac		bore and run production
tubing. Test well flow.	See the attached frac chemical addendum for a	dditives used during the sti	mulation.	8 2013	
	e disturbed, including roads, stock urbed for well pad only, less acces		(acres) Office of WV Dept. of Envir	Oil and Gas ronmental Prote 7.49	

WW - 6B (3/13)

20)

CASING AND TUBING PROGRAM

ТҮРЕ	Size	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill -up (Cu. Ft.)
Conductor	20"	New	LS	94.0	40'	40'	20 - GTS
Fresh Water	13.375"	New	J55	54.5	900'	900'	881 - CTS
Coal	13.375"	New	J55	54.5	900'	900'	881 - CTS
Intermediate	9.625"	New	J55	36.0	2,245'	2,245'	554 Lead - 393 Tail CTS
Production	5.5"	New	P110	20.0		12,500'	1,025 Lead - 2,116 Tail TOC @ 1,245'
Tubing	2.375"	New	J55	4.7		6,100'	N/A
Liners							

Surface/Coal String will be set above Sea Level which is 906'

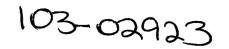
DA # 17

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield
Conductor	20"	24"	0.375"	N/A	Type 1	1.18
Fresh Water	13.375"	17.5"	0.380"	2,730 psi	Class A	1.19
Coal	13.375"	17.5"	0.380"	2,730 psi	Class A	1.19
Intermediate	9.625"	12.25"	0.352"	3,520 psi	Class A	1.26 Lead - 1.19 Tail
Production	5.5"	8.75"	0.361"	12,360 psi	Class A	1.25 Lead - 1.23 Tail
Tubing	2.375"	N/A	0.190"	7,700 psi	N/A	N/A
Liners	N/A					

PACKERS

Kind:	N/A	
Sizes:		Perceived
Depths Set:		golved

2.8 2013



21) Describe centralizer placement for each casing string.

spring centralizers with one (1) being placed above the guide shoe and one (1) every second joint to surface, 12 total.

-Intermediate string will incorporate bow spring centralizers with one (1) above the guide shoe, one (1) above float collar, and one (1) every third joint to surface for a total of 20 centralizers. One straight vane rigid centralizer will be placed as close to the surface as practical.

-Production string will incorporate alternating left and right hand spiral centralizers with one (1) every fourth joint to 500' above KOP and every third joint from KOP to top of slant for a total 66 left/right rigid spiral centralizers. From top of slant to TOC bow spring centralizers will be used on every third joint for a total of 10.

22) Describe all cement additives associated with each cement type.

-Fresh Water/Coal string uses a slurry of Class A cement with 0.125 pps Cello Flake, 1.0% CaCl2, and 0.2% Anti-Foam
-Intermediate string uses a Lead/Tail slurry. Lead is Class A cement with 0.2 gps Accelerator, 0.08 gps Dispersant, 0.1 gps Anti-Foam, 4.0% Expanding Agent, and 0.5% Gas Migration Agent. Tail is Class A cement with 1.0% CaCl2, 0.125 pps Cello Flake, and 0.2% Anti-Foam.

- Production string uses a Lead/Tail slurry. the Lead is Class A cement with 4.0% Expanding Agent, 0.5% Gas Migration Agent,
 0.25 gps Dispersant, 0.1 gps Anti-foam, and 0.06 gps Retarder. The Tail is Class A cement with 0.2% Dispersant, 0.4% Fluid Loss,
 0.2% Anti-Foam, 0.15% retarder, and 0.2% Anti-Settling Agent.
- 23) Proposed borehole conditioning procedures.

-Fresh Water/Coal section will be conditioned by circulating air down the down the drill string at TD for 30 to 90 minutes or until the well bore clears of cuttings.

- Intermediate section will conditioned by circulating air and/or stiff foam through the drill string at TD for 30 to 120 minutes until well bore clears of cuttings.
- -Production section will be conditioned by circulating drilling fluid through the drill string at TD for 120 to 720 minutes until cuttings shakers clear of cuttings.

*Note: Attach additional sheets as needed.

0-26-17



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103-02923

24.25" 19.25" 2-1/16" API 5,000 2-1/16" API 5,000 38.26" 22.12" 2-1/16" API 5,000 5-1/8" API 10,000 19.50" 1-13/16" API 10,000 5-1/8" API 10,000 13.25" _11" API 5,000 19.38" 2" API LINE PIPE 9-5/8" SOW 5.00" I.D. WELD PREP 9-5/8" 5-1/2" 2-3/8"



NOTE: THIS DRAWING IS NOT TO SCALE. THE DIMENSIONS REFLECTED ON THE DRAWING ARE ESTIMATED MEASUREMENTS AND FOR

Received

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 Customer:
 STONE ENERGY
 Project: 46705 8 2015
 Quote: 99565 v 3

 Tender, Project or Well:
 2011- 2012 CONVENTIONAL MARCELLUS
 Date: 07-17-2011
 Draw 9.4 2013

103-02923

Well: Martin #3H State: West Virginia County: Wetzel

District: Green

Prospect: Mary

STONE ENERGY - PROPOSED HORIZONTAL
Revision: 24-June-13

Permit Number: 47-103-

Permit Issued:
Post Construction Ground Elevation: 906'

Kelly Bushing: 18'

Rig:

Spud Date:

TD Date: Rig Release Date:

47.5

Location: Surface: North = 4,384,806 East = 520,081 (UTM NAD 83)

PBHL: North = 4,386,131 East = 518,898 (UTM NAD 83)

PTD: 12500' MD / 6600' TVD

HOLE SIZE	PILOT HOL FORMATION		WELLBORE DIAGRAM	CASING & CEMENTING DATA DIRECTIONAL DATA	MW&) FLUID TYPE	HOLE DEV
24" Hole then Driven	40' K	B (22' BGL)	JIII IIIL	CONDUCTOR PIPE	9	∞ Vertic
17-1/2" Hole	Shallowest FW Pittsburgh Coal Deepest FW	50' TVD 720' TVD 725' TVD		20" x 3/8" wall L/S PE @ 40' (set in bedrock & grouted to surface)	AirTMist	Nin :
12-1/4" Hole	Salt Water Little Lime Big Lime Big Injun Sandstone Base of Big Injun	1556' TVD 1883' TVD 1913' TVD 2013' TVD 2113' TVD		SURFACE CASING 13-3/8" 54.5# J-55 STC @ 900' MD/TVD Set through fresh water zones Set through coal zones Cemented to surface	Stiff Foam	Vertic
	Berea Sandstone Gordon Sandstone	2477' TVD 2699' TVD	# B	9-5/8" 36.0# J-55 LTC @ 2245' MD/TVD Set through potential salt water zones Set below base of Big Injun		Verti
8-3/4" Hole		2505 115		Cemented to surface	Air / Dust	
			— (DP @ 5924' TVD		
3/4" Hole	Middlesex Shale West River Shale Geneseo Shale Tully Limestone Hamilton Shale	6148' TVD 6376' TVD 6419' TVD 6515' TVD 6535' TVD 6566' TVD		DMH 6-26-17	WBM In Curve	
8-3/4" Hole in Lateral	Marcellus Shale	6620' TVD			WBM in Lateral	~90.
Notes	Onondaga Limestone Formation tops as per ve Curve & lateral tops will v Directional plan based up	vary due to stru	ctural changes	Landing Point (LP) @ 7205' MD / 6650' TVD ~90.5' angle ~327' azimuth	TD @ 12500' MD / 6600' TVD PRODUCTION CASING 5-1/2" 20.0# P-110 CDC @ 12500' MD Top of Cement @ 1245' (~1000' inside 9-5/8")	

	1	Page	of	
API Number 47 -	103	-0	2923	
Operator's W	ell No		Martin #3H	

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name	STONE ENERGY COR	RPORATION	OP Code	494490923	_
Watershed (HUC 10)_	Little Fishing Creek	Quadrangle	Po	orters Falls	3
Elevation	906' County	Wetzel	District	Green	
	more than 5,000 bbls of water to	/	well work? Yes		
	escribe anticipated pit waste:				
Will a syntheti	c liner be used in the pit? Yes	No If	so, what ml.?	N/A	
Proposed Disp	osal Method For Treated Pit Wast	es:			
-	Land Application Underground Injection (UIC I Reuse (at API Number_Flow Ba Off Site Disposal (Supply form Other (Explain_	ack will be collected and us n WW-9 for disposal lo	sed for other stimulat cation))
Will closed loop system	be used? Both the Top-Hole Rig	and Horizontal Rig will	incorporate the us	se of a closed loop system	_
Drilling medium anticip	pated for this well? Air, freshwate	r, oil based, etc. Top-Hol	e on air and/or drillin	g soap, Horizontal on Salt Br	rine
-If oil based, w	vhat type? Synthetic, petroleum, e	tc.	N/A		
	drilling medium?				D
	nethod? Leave in pit, landfill, rem			ed of in an approved land	fill (
	nd plan to solidify what medium w				
	fsite name/permit number?			TO DATE OF THE PARTY OF THE PAR	
on August 1, 2005, by t provisions of the permi law or regulation can le I certify under application form and a obtaining the informati penalties for submitting	7-	est Virginia Department ons of any term or con- conally examined and a based on my inquiry on is true, accurate, and	t of Environmenta dition of the gene m familiar with t of those individual I complete. I am	I Protection. I understand ral permit and/or other ap he information submitted uals immediately respons	that the oplicable on this sible for
Company Official (Typ	year (ame)			- IGUE!	rec
Company Official Title	Land Coordinator				
Subscribed and sworn b	pefore me this 24th day	of June	20	Offioericial SEAL	····
My commission expires	5/18/2021		Notary R	V V I I Company	JC ^S

Form WW-9 Martin #3H Operator's Well No. STONE ENERGY CORPORATION 13.57 Proposed Revegetation Treatment: Acres Disturbed ____ Prevegetation pH _____ 2.0 6.5 Tons/acre or to correct to pH _____ Fertilizer (10-20-20 or equivalent) 500-750 lbs/acre (500 lbs minimum) 0.50 to 0.75 + Straw Mulch Tons/acre **Seed Mixtures** Area I Area II Seed Type Seed Type lbs/acre lbs/acre Marcellus Mix Marcellus Mix 100.0 100.0 White or Ladino Clover White or Ladino Clover 10.0 10.0 **Orchard Grass Orchard Grass** 40.0 40.0 Winter Rye 50.0 50.0 Winter Rye Attach: Drawing(s) of road, location, pit and proposed area for land application. Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments: ____ Oil + Cis Inspector Date: 6-21-17 Received Field Reviewed?



WW-9 ADDENDUM

Drilling Medium Anticipated for This well

- Vertical section of well bore, down to KOP, will be drilled on air and/or a combination of air and drilling soap.
- From KOP through the curve section and horizontal section of well bore will be drilled on a brine-water based mud system.

Additives to be Used While Drilling

- Common additives when air drilling: KCl (CAS No. 1302-78-9 & 14808-60-7), soda ash (CAS No. 497-19-8), shale stabilizer (CAS No 67-48-1 & 7732-1835), drilling soap (CAS No. 111-76-2), air hammer/motor lubricant.
- Common water based additives for mud drilling: NaCl (CAS No. 7647-14-5), KCl (CAS No. 7447-40-7), barite (CAS No. 13462-86-7 & 14808-60-7), starch (CAS No. 9005-25-8), PAC (CAS No. 9004-32-4), xanthum gum (CAS No. 11138-66-2), PHPA (CAS No. 64742-47-8), polysaccharide (CAS No. 1138-66-2), sulfonated asphaltic material (CAS No. 269-212-0 & 238-878-4), aluminum silicate (CAS No. 37287-16-4), gilsonite (CAS No. 12002-43-6), graphite (CAS No.14808-60-7 & 7782-42-5), shale stabilizer (CAS No. 67-48-1 & 7732-18-5), fluid loss control polymers (CAS No. 9004-34-6), viscosity control polymers (CAS No. 11138-66-2 & 107-22-2), soda ash (CAS No. 497-19-8), sodium bicarbonate (CAS No. 144-55-8), NaOH (CAS No. 1310-73-2, 7647-14-5, & 7732-18-5), lime (CAS No. 1305-62-0), gypsum (CAS No.778-18-9), citric acid (CAS No. 77-92-9), biocide (CAS No. 52-51-7 or 7732-18-5 + 67-56-1 + 141-43-5), CaCO₃ (CAS No. 471-34-1), cellulose fibers (CAS No. 14808-60-7), nut plug (CAS No. 9004-34-6 & 14808-60-7), cross-linking polymers (CAS No. 107-22-2 & 11138-66-2), other LCMs, surfactants (CAS No. 64-17-5), ROP enhancer/lubricant (CAS No. 8002-13-9), beads, corrosion inhibitor (CAS No. 7732-18-5), aluminum stearate (CAS No. 300-92-5), defoamer (CAS No. 246-771-9).

MSDS are available upon request.

Dm H 6-26-13

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WW-9 ADDENDUM

Drill Cuttings Disposal Method

Closed loop drilling system will be incorporated. No waste pits will be constructed. All
drill cuttings are put through a drier system and hauled to and disposed of at approved
and permitted landfills.

Landfills or Offsite Names and Permit Numbers

Wetzel County Sanitary Landfill Rt. 1, Box 156A New Martinsville, WV 26155 SWF-1021 / WV01909185 Brooke County Sanitary Landfill Colliers, WV 26035 SWF-1013 / WV0109029

Dan # 6-26-17

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JUN 2 8 2013

west virginia department of environmental protection





Water Management Plan: Primary Water Sources



WMP-01359

API/ID Number:

047-103-02923

Operator:

Stone Energy Corporation

Martin #3H

Important:

For each proposed primary water source (including source intakes for purchased water sources) identified in your water management plan, and summarized herein, DEP has made an evaluation concerning water availability over the specified date range. DEP's assessment is based on the following considerations:

- •Statistical analysis of historical USGS stream gauge data (transferred to un-gauged locations as necessary);
- •Identification of sensitive aquatic life (endangered species, mussels, etc.);
- Quantification of known existing demands on the water supply (Large Quantity Users);
- •Minimum flows required by the Army Corps of Engineers; and
- Designated stream uses.

Based on these factors, DEP has provided, for each intake location (and origination point for purchased water), a reference gauge location and discharge flow reading which must be surpassed prior to withdrawals. Additionally, DEP has established a minimum passby flow at the withdrawal location which must also be surpassed prior to withdrawals. These thresholds are considered terms of the permit and are enforceable as such.

DEP is aware that some intake points will be used for mutiple wells and well sites. In these cases, the thresholds set by the Water Management Plan are to be interepreted as total withdrawal limits for each location over the specified date range regardless of how many wells are supported by that intake.

For all purchased water intakes, determinations of water availability are made at the original source intake location. It is the responsibility of the Oil and Gas Operator, not the seller, to cease withdrawal of water from the seller when flows are less than the minimum gauge reading at the stream gauge referenced by the Water Management Plan in order to protect stream uses.

Note that the determinations made herein are based on the best available data, but it is impossible to predict water availability in the future. While the DEP has carefully established these minimum withdrawal thresholds, it remains the operator's responsibility to protect aquatic life at all times. Approval to withdrawal is contingent upon permission from the land owner. It is the responsibility of the operator to secure and maintain permission prior to any withdrawals.

The operator is reminded that 24-48 hours prior to withdrawing (or purchasing) water, DEP must be notified by email at DEP.water.use@wv.gov.

APPROVED AUG 2 3 2013

Source Summary

WMP-01359

API Number:

047-103-02923

Operator:

Stone Energy Corporation

Martin #3H

Stream/River

Source

Ohio River @ The Spielers Club

Wetzel

Owner:

The Spielers Club

Start Date

End Date

Total Volume (gal)

Max. daily purchase (gal)

Intake Latitude: Intake Longitude:

7/1/2014

7/1/2015

6,100,000

39.709677

-80.826384

Regulated Stream?

Ohio River Min. Flow

Ref. Gauge ID:

9999999

Ohio River Station: Willow Island Lock & Dam

Max. Pump rate (gpm):

833

Min. Gauge Reading (cfs):

6,468.00

Min. Passby (cfs)

DEP Comments:

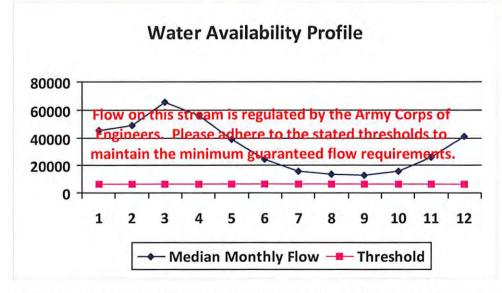
Refer to the specified station on the National Weather Service's Ohio River forecast

website: http://www.erh.noaa.gov/ohrfc//flows.shtml

Source Detail



Month	Median monthly flow (cfs)	Threshold (+ pump	Estimated Available water (cfs)
1	45,700.00	-	-
2	49,200.00		•
3	65,700.00		
4	56,100.00		
5	38,700.00		
6	24,300.00	34.	
7	16,000.00		
8	13,400.00	1 4 1	1.2
9	12,800.00	34	120
10	15,500.00	1-1	
11	26,300.00	9	14
12	41,300.00	+	-



Min. Gauge Reading (cfs): Passby at Location (cfs):	
Ungauged Stream Safety (cfs):	0.00
Headwater Safety (cfs):	0.00
Pump rate (cfs):	1.86
Downstream Demand (cfs):	0.00
Upstream Demand (cfs):	0.00
Base Threshold (cfs):	-

"Threshold", as depicted in the chart above is meant only to indicate the calculated base threshold at the proposed withdrawal location. This value does not include the proposed pump rate or existing demand on the stream. Refer to the monthly breakdown above for a more complete estimation of water availability by month.

west virginia department of environmental protection



Water Management Plan: Secondary Water Sources



WMP-01359

API/ID Number

047-103-02923

Operator:

Stone Energy Corporation

Martin #3H

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Multi-site impoundment

Pribble Freshwater Impoundment Source ID: 20601 Source Name 7/1/2014 Source start date: Source end date: 7/1/2015 Source Lat: 39.685144 Source Long: -80.820002 Wetzel County Total Volume from Source (gal): 6,100,000 Max. Daily Purchase (gal) **DEP Comments:**

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-277

WMP-01359 API/ID Number 047-103-02923 Operator: Stone Energy Corporation

Martin #3H

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Source ID:	20602	Source Name	Tuttle Fresh W	ater Impoundmer	nt	Source start date:	7/1/2014
						Source end date:	7/1/2015
		Source Lat:	39.586528	Source Long:	-80.779889	County	Wetzel
		Max. Daily Pu	rchase (gal)		Total Volum	me from Source (gal):	3,150,000
	DEP Co	mments:					

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-588

Source ID: 20603 Source Name Conley Fresh Water Impoundment 7/1/2014 Source start date: Source end date: 7/1/2015 39.608922 -80.79156 Source Lat: Source Long: County Wetzel 3,150,000 Max. Daily Purchase (gal) Total Volume from Source (gal): **DEP Comments:**

The intake identified above has been defined in a previous water management plan. The thresholds established in that plan govern this water management plan unless otherwise noted.

Reference: WMP-589

WMP-01359 API/ID Number 047-103-02923 Operator: Stone Energy Corporation

Martin #3H

Important:

For each proposed secondary water source identified in your water management plan (i.e., groundwater well, lake/reservoir, recycled frac water, multi-site impoundment, out-of-state source), DEP makes no estimation of the availability of water. These sources may prove to be unsuitable water supplies. Please review the following notes:

- •For groundwater supply wells, DEP recommends that the operator contact the local health department prior to drilling any new well; and reminds the operator that all drinking water wells within 1,500 feet of a water supply well shall be flow- and quality-tested by the operator at the request of the drinking well owner prior to operation of the water supply well.
- •For each proposed multi-site impoundment water source identified in your water management plan (if applicable), DEP will review the withdrawal limits established in the referenced Water Management Plan for current suitability and provide to the operator these limits for each identified intake. Note that withdrawal limits may be modified as necessary based on changing demands upon that water supply.

Recycled Frac Water

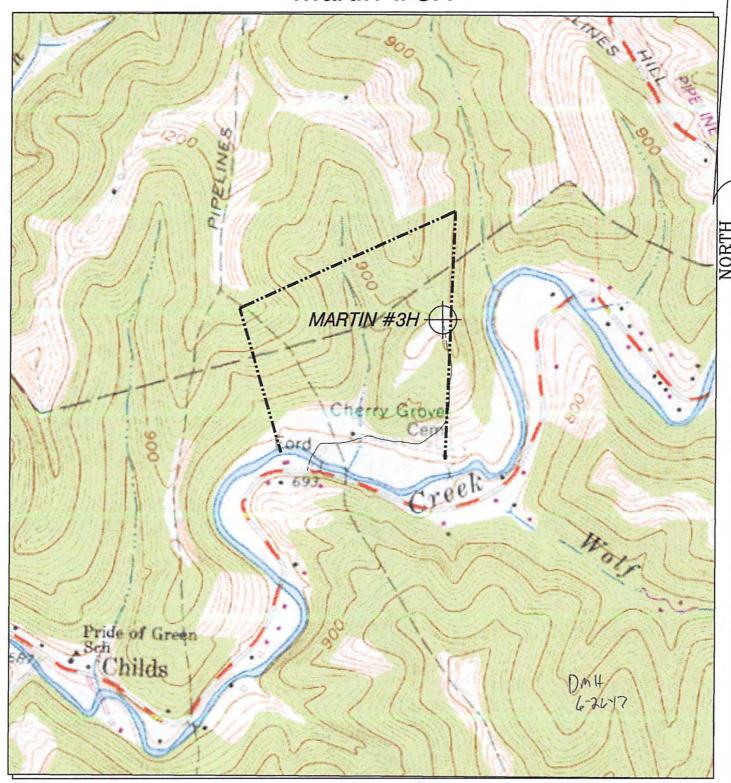
Source ID: 20	604 Source Name	Maury Pad; Weekley Pad	Source start date:	7/1/2014
			Source end date:	7/1/2015
	Source Lat:	Source Long:	County	
	Max. Daily Pu	rchase (gal)	Total Volume from Source (gal):	200,000
DE	EP Comments:			

Platspottel 103-02923

Form W-9

Stone Energy Corporation Martin #3H

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HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147 PH:(304)354-7035 E-MAIL: hupp@frontiernet.net 1" = 1000' Porters Falls 7.5' Stone Energy Corp.
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Lafayette, LA 70508

