

WR-35 Rev. 8/23/13

State of West Virginia

Department of Environmental Protection - Office of Oil and Gas

Well Operator's Report of Well Work

API <u>47</u> - 033	_ 05782	County HARRI	SON	District TEN MIL	E
Quad SALEM 7.5'		Pad Name SAR	AH E. ADAMS	Field/Pool Name	WOLF SUMMIT
Farm name MYERS, E				Well Number 24:	
Operator (as registered	with the OOG)	I.G. ENERGY LL	.C		
Address 5260 DuPOI	NT ROAD	City <u>PA</u>	RKERSBURG	State WV	Zip 26101
Landing Point	Cop hole Nor Nor Of Curve Nor	Attach an as-drille thing 4,347,110 M thing 4,347,032 M		Easting 542,389 M	
Elevation (ft) 1,347'	GL	Type of Well	■New □ Existing	Type of Repor	t □Interim <b>■</b> Final
Permit Type   Dev	iated   Horiz	ontal 🗆 Horizor	ntal 6A 🛛 Vertic	cal Depth Type	□ Deep <b>■</b> Shallow
Type of Operation   C	onvert □ Deep	en 🛮 Drill 🖂	□ Plug Back □ R	Redrilling   Rework	□ Stimulate
Well Type □ Brine Dis	posal □ CBM □	Gas ■ Oil □ Sec	condary Recovery	□ Solution Mining □ S	torage 🗆 Other
Type of Completion ■ Drilled with □ Cable	-	e Fluids Produ	aced □ Brine □0	Gas □ NGL ■ Oil	□ Other
Drilling Media Surfac  Production hole  Air				ece ved Mu	d ■ Fresh Water □ Brine
Mud Type(s) and Addit N/A	ive(s)		J	UN 1 8 2014	
				fice of Oil and Gas	
	0/00/40		WV Dept. 9	of Environmental Protection	
Date permit issued		Date drilling com		Date drining	
Date completion activiti	N			activities ceased	
Verbal plugging (Y/N)	N Date	e permission grante	d	Granted by	
Please note: Operator is	required to subm	it a plugging applic	ation within 5 days	of verbal permission to	plug
Freshwater depth(s) ft	N/	′A	Open mine(s) (Y/	N) depths	N
Salt water depth(s) ft	N/A		Void(s) encounter	red (Y/N) depths	N
Coal depth(s) ft	703'-71	1'	Cavern(s) encoun	tered (Y/N) depths	N
Is coal being mined in a		N I			Reviewed by:

API 47- 033	05782	_ Farm nam	ne_MYERS, E	DGAR L	EE JR.	Well nur	mber_243	
CASING STRINGS		Casing Size	Depth	New or Used	Grade wt/ft	Bask Deptl		d cement circulate (Y/N) Provide details below*
Conductor	12 1/4"	11 5/8"	30'	Used	LS			Sand In
Surface	8 3/4"	7"	802'	New	LS		64'	Υ
Coal								
Intermediate 1								
Intermediate 2			-					
Intermediate 3				-				
Production	6 1/2"	4 1/2"	3205.65'	New	J-55			Y
Tubing								
Packer type and o	lepth set	<del> </del>	<u> </u>	<del></del>				
Comment Details	Circulated Est. 25 sks to	surface on 7" surface	e cement job. Circulat	ted Est. 25 sks	to surface on 4 1/2	cement job.		
CEMENT	Class/Type	Number	Slurry			/olume	Cement	WOC
DATA Conductor	of Cement	of Sacks	wt (ppg)	<u>(ft</u>	<sup>3</sup> /sks)	(ft <sup>3</sup> )	Top (MD)	(hrs)
Surface	Reg Neat	200	15.6	1	.18	236	Surface	
Coal	Neg Near	200	15.0	<u> </u>	.10	230	Surface	8
Intermediate 1	-						_	
Intermediate 2								
Intermediate 3						-	<del></del>	
Production	50:50 Pozmix/ Econo	200/85	14.2/11.8	1 2	7/2.93 2:	E4/0E0	Surface	-
Tubing	50.50 POZITIKY ECONO	200/65	14.2/11.0	1.21	12.93	54/250	Surface	8
Drillers TD (fi Deepest forma Plug back pro Kick off depth	ation penetrated Fifth occurre N/A	Sand		Loggers TI Plug back t				
Check all wire	eline logs run	-	■ density ■ resistivity	■ deviate	d/directional ray	induct tempe		onic
Well cored	yes ■ No	Conventiona	ıl Sidewa	11	Were co	uttings coll	ected ■ Yes	□ No
						-		
	HE CENTRALIZER from bottom on 4 1/2*, Centralizer pl		T USED FOR	EACH CA	SING STRIN	G		<del></del>
20 Canadagais avery bu	TOTAL DESCRIPTION OF THE PROPERTY OF THE PROPE	aced find string off 7			<u> </u>	<del> </del>		
WAS WELL	COMPLETED AS S	HOT HOLE	□ Yes <b>■</b> N	o DE	TAILS	Section 2	lecei	ved
WAS WELL (	COMPLETED OPE	N HOLE?	Yes A No	DETA	ILS		JUN 18	2014
WERE TRAC	ERS USED □ Yes	■ No	TYPE OF TRA	CER(S) U	SED	WV Day	Office of Oil a	nd Gas

API 47- 033 \_ 05782

Farm name MYERS, EDGAR LEE JR.

\_Well number\_243

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	5/12/14	3114'	3118'	16	Fifth Sand
-				<del></del>	
-	-		-		

Please insert additional pages as applicable.

## STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	5/15/14	10	1811	3519	1872	10,000	383	,
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						JUN 1	8 2014	

Please insert additional pages as applicable.

Office of Oil and Gas WV Dept. of Environmental Protection

API 47- 033	_ 05782	Farm	name_MYERS	S, EDGAR	LEE JR.	_Well numbe	r_243	
PRODUCING	FORMATION(	(S)	DEPTHS					
	TORMITTORY	<del></del>						
Fifth Sand		<del></del> .	3042'-3045'	TVD _	3114'-3118'	_ MD		
		<del></del> -		<del></del> -		<del></del> -		
						_		
Please insert ac	lditional pages a	s applicable.				_		
GAS TEST	□ Build up □	Drawdown	□ Open Flow	(	OIL TEST □ Flo	ow 🗆 Pump	)	
SHUT-IN PRE	SSURE Surf	ace	_psi Botto	om Hole	psi I	OURATION (	OF TEST	hrs
OPEN FLOW	Gas	Oil	NGL		Water	GAS MEASU	RED BY	
	mcf	pd 1	bpd	_ bpd		□ Estimated		□ Pilot
LITHOLOGY/	TOP	воттом	ТОР	воттом				
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN F	r Describe bo	CK TYPE AND	BECORD OU	NITTO AND
	NAME TVD	TVD	MD	MD			_	L, GAS, H <sub>2</sub> S, ETC)
Sand/Shale	0	703	0	703	TITE OF TEOL	D (TICOTIVAT	ER, DRIVE, OI	L, GAS, H <sub>2</sub> S, E1C)
Pittsburgh Coal	703	711	703	711				
Sand/Shale	711	2066	711	2100			POCE	ived
Big Lime	2066	2146	2100	2182		<del> </del>	11111	
Big Injun	2146	2202	2182	2242				
Shale	2202	2618	2242	2672			JUN 1 8	2014
Fifty Foot	2618	2640	2672	2695				
Shale	2640	2710	2695	2767			Office of Oil	and Gas
Sand	2710	2869	2767	2932		WV De		mental Protection
Shale	2869	3042	2932	3114				
Fifth Sand	3042	3045	3114	3118	Drille	d directional N	27° W a distan	ce of 532'
Shale	3045	3181	3118	3258				
TD	3181	<del></del>	3258		<u> </u>			
Please insert add	ditional pages as	applicable.						<u> </u>
Drilling Contrac	etor Decker Drilli	ng						
Address 11565 S			City	Vincent		State OH	Zip 45784	
						State	_ Zip	
Logging Compa		International						
Address 777 Nor	th River Avenue		City	Weston		State WV	Zip <u>26452</u>	
Cementing Com	nany Baker Hug	ahes						
Address 2228 Ph	ilippi Pike		City	Clarksburg	9	State WV	Zip 26301	
			•		`		2.ip	
Stimulating Company Producers Service Corp.  Address 109 South Graham Street City Zanesville State OH Zip 43701								
Please insert add		applicable.		·			£ip	
Completed by Roger Heidman Telephone 304-420-1107								
Signature	Ru	Celdu	Title Or	erations Mana	ger	Date 6/1	17/14	<del></del>
Cubmiust serr	duoville Esser	Ch! 15						
Submittal of Hy	uraune Fracturir	ig Chemical D	isciosure Infor	mation A	Attach copy of FI	KACFOCUS I	Kegistry	

33.05782

Prepared for:

H G Energy



Prepared by:
Producers Service Corp
Jason Stanbery
109 S. Graham St.
Zanesville, OH 43702

	 740-454-6253
INVOICE #: 16283	
WELL NAME: SE Adams # 243	
STATE & COUNTY: WV/Harrison	
TOWNSHIP/FIELD: Wolf Summit	
DATE of SERVICE: 5/15/2014	

CUSTOMER PO#

Description	Notes	Amount	Units
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1	EA
BLENDER CHARGE 0-10 BPM	Lawre Edward	1	EA
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @ 70 Miles	140	MI
IC ACID 15%		300	GAL
PRO HIB II		0.5	GAL
ACID DELIVERY		2	HR
PRO CLA LOK (KCL SUBSTITUTE)		20	GAL
PRO NE-21		10	GAL
PRO GEL 4		250	LB
BUFFER I		50	LB
BUFFER II		50	LB
BIO CLEAR 750		1	LB
AP BREAKER		22	LB
BXL-A		15	GAL
BXL-10C		15	GAL
SAND 20/40 OTTAWA		200	CWT
SAND DELIVERY / TON MILES		700	TMILE
DATA VAN		1	STAGE

5 - 4 A		
Customer Approval:		

Received

JUN 1 8 2014

Office of Oil and Gas
WV Dept. of Environmental Protection