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WR-35 Rev. 8/23/13 PM

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State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work RECEIVED Office of Oil and Gas

NOV 1 0 2014

	LN Dist	rict DUVAL ENVIROR d/Pool Name	Departn	nent of
·	TIN GRIFFITH Fiel	d/Pool Name G	KIFFITHS	ILLE
Farm name ALLEN, TERRY & DAWNA	We	ll Number 106		
Operator (as registered with the OOG) Address 5260 DuPONT ROAD City PA	ARKERSBURG	State WV	Zip _20	6101
As Drilled location NAD 83/UTM Attach an as-drill Top hole Northing 4,231,071 M Landing Point of Curve Bottom Hole Northing Northing 4,230,901 M	Easting	viation survey 415,989 M 415,950 M		
Elevation (ft) 910' GL Type of Well	■New □ Existing	Type of Report	□Interim I	■ Final
Permit Type Deviated Horizontal Horizontal	ntal 6A 📕 Vertical	Depth Type	□ Deep	■ Shallow
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ Redrilling	□ Rework	□ Stimulate	:
Well Type □ Brine Disposal □ CBM □ Gas □ Oil ■ Se	econdary Recovery	on Mining 🗆 Sto	orage 🗆 Oth	ner
Type of Completion ■ Single □ Multiple Fluids Prod Drilled with □ Cable ■ Rotary Drilling Media Surface hole ■ Air □ Mud ■ Fresh W Production hole ■ Air □ Mud □ Fresh Water ■ Brin Mud Type(s) and Additive(s)	ater Intermediate hole			ater □ Brine
N/A				
Date permit issued 5/31/2013 Date drilling com	menced9/19/14	Date drilling o	ceased	9/25/14
	Date completion activitie			
Verbal plugging (Y/N)N Date permission grante	ed (franted by		
Please note: Operator is required to submit a plugging applie	cation within 5 days of verba	l permission to p	lug	
Freshwater depth(s) ftN	Open mine(s) (Y/N) depth	S	N	
Salt water depth(s) ft1300'	Void(s) encountered (Y/N	111	N	
Coal depth(s) ft438'-445'	Cavern(s) encountered (Ya	N) depths	N	
Is coal being mined in area (Y/N)N			Review	ed by:

□ Yes ■ No

DETAILS

TYPE OF TRACER(S) USED _

WAS WELL COMPLETED OPEN HOLE?

WERE TRACERS USED ☐ Yes ■ No

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API 47- 043 _ 03454	Farm name_ALLEN, TERRY & DAWNA	Well number_106	

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	10/21/14	2446'	2460'	84	Berea
		-			
	_				

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	10/23/14		1005	2217	774		40	12 bbls HCL
		-						
		-						-
						:		
-								:

Please insert additional pages as applicable.

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	_ 03454	Form r	ALLEN,	TERRY &	DAWNA	Well n	umber	106	
API 47- 0.0		ramii	laine			_ ********	dilioci_		
PRODUCING 1	FORMATION(S	S)	DEPTHS						
Berea			2370'- 2389'	TVD	2446'- 2460'	MD			
Delea			2010 2000	_ 1 V D		NID			
		<u>-</u>							
Please insert ad	ditional pages as	s applicable.							
GAS TEST	□ Build up □	Drawdown	□ Open Flow	(OIL TEST -F	low 🗆	Pump		
SHUT-IN PRE	SSURE Surfa	ace	_psi Botto	m Hole	psi	DURAT	O NOI	F TEST	hrs
OPEN FLOW	Gas	Oil	NGL		Water	GAS M	1EASUI	RED BY	
	mcf	pd l	opd	bpd _	bpd	□ Estin	nated	□ Orifice □	Pilot
LITHOLOGY/	TOP	BOTTOM	TOP	BOTTOM					
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN F				RECORD QUANT	
	NAME TVD	TVD	MD	MD	TYPE OF FLU	JID (FRE	SHWATE	ER, BRINE, OIL, G	AS, H ₂ S, ETC)
Sand/Shale	0	438	0	438					
Pittsburgh Coal	438	445	438	445					
Sand/Shale	445	1650	445	1690					_
Big Lime	1650	1854	1690	1906					_
Big Injun	1854	1956	1906	2012					
Shale	1956	2350	2012	2422					_
Coffee Shale	2350	2370	2422	2444					
Berea	2370	2389	2444	2464					
Shale	2389 2523	2523	2464 2600	2600		rillad dira	ctional S	9° W a distance of	[A D A '
TD	2523		2600			inea aire	Clional S	5 Wadistance of	454
Please insert ad	ditional pages a	s applicable.							
	Decker Drill	ina							
Address 11565	ctor Decker Drill	iiig	City	Vincent		State	ОН	Zip_45784	
			City	- TITOOTIC		_ State		_ Zip	
Logging Comp	any Weatherford	International							
Address 777 No	orth River Avenue		City	Weston		_ State	WV	Zip _26452	
24 H C C 25 L C C C C C C C C C C C C C C C C C C	Universal	Comicos							
Cementing Cor	npany Universal	Services	<u> </u>	Allen		G	KV	7: 41601	
Address 5252 R	1 1420		City	Allen		_ State		Zip _41601	
Stimulating Co	mpany Produc	ers Service Co	rp.						
	uth Graham Street		City	Zanesville	-	State	ОН	Zip_43701	
	ditional pages a			18					
Completed by	Roger Heldman	12. 1			Telephone				
Signature	(Lu	Medan	Title O	perations Mar	nger		Date 10	0/31/14	_
Culturalities - CTT	uduaulia Farat		Naclania I. C.	atia	Attach	ED A CE	COCLIC	Dagietus:	
Submittal of H	ydraulic Fracturi	ing Chemical I	Disclosure Intol	шаноп	Attach copy of	LKACL	UCUS	Registry	

repared for: IG Energy Oustin Hendershot 604 481 7342	PRODUCERS SERVICE CORP.		
INVOICE #: 17466			
WELL NAME: A Griffith #106			
STATE & COUNTY: Lincoln,WV			
TOWNSHIP/FIELD: Griffthsville			
DATE of SERVICE: 10/23/2014			
CUSTOMER PO#			
Description	Notes	Amount	Units
ACID PUMP CHARGE 2000-3000 PSI		1 35	EA MI
MILEAGE CHARGE PER UNIT ONE WAY	1 Unit @35 Miles	500	
IC ACID 15%		1.5	
ACID DELIVERY		0.5	
PRO HIB II		0.5	
PRO CLA FIRM LP		0.5	
PRO NE-1		1	
PRO PEN DATA VAN		1	STAGE
DATA VAN			
			-
		*	-
			+
		-	+
			1
Customer Approval:			