

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	₄₇ - 043	_ 03522	County LINCOL	.N	District DUVAL	
	GRIFFITHSVI	LLE 7.5'		FITH, AUSTIN	Field/Pool Name G	RIFFITHSVILLE
	name ALLEN, T				Well Number158	
			H.G. ENERGY LL	С		
Addres	ss 5260 DuPO	NT ROAD	City PAR	RKERSBURG	State WV	Zip 26101
As Dri	lled location N		Attach an as-drille Northing 4,231,550 M		and deviation survey Sasting 416,004 M	
	Landing Point	of Curve	Northing	E	asting	
	Bott	tom Hole 1	Northing 4,231,481 M	E	asting 415,833 M	· · · · · · · · · · · · · · · · · · ·
Elevati	ion (ft) 855'	GL	Type of Well	■New □ Existing	Type of Report	□Interim ■Final
Permit	Type 📱 Dev	riated 🗆 Ho	orizontal 🗆 Horizon	tal 6A 🛛 Vertica	Depth Type	□ Deep ■ Shallow
Туре о	of Operation 🗆 C	Convert 🗆 D	eepen 🛢 Drill 🗆	Plug Back □ Re	drilling Rework	□ Stimulate
Well T	ype 🗆 Brine Di	sposal CBM	□ Gas □ Oil ■ Sec	ondary Recovery	Solution Mining Sto	orage 🗆 Other
- •	of Completion ■ I with □ Cable	•	tiple Fluids Produ	ced □ Brine □G	as □ NGL # Oil	□ Other
Produc	_	· 🗆 Mud 🗆	□ Mud ■Fresh War Fresh Water ■ Brine	ter Intermedia	te hole Air	RECEIVED Ce of Oil and Gas
N/A	rype(s) and ridal	(3)				DEC 1 0 2015
					140	
	ermit issued		_ Date drilling comn	nenced 9/4/15		Department of Mental Profession 10/8/15
	ompletion activit	A 1			ctivities ceased	
Verbal	plugging (Y/N)	I	Date permission granted	j	Granted by	
Please	note: Operator i	s required to su	bmit a plugging applica	ation within 5 days o	f verbal permission to p	lug
Freshw	vater depth(s) ft		340'	Open mine(s) (Y/N) depths	None
	ater depth(s) ft		080'		d (Y/N) depths	None
	epth(s) ft	4451	453'		red (Y/N) depths	None
	heing mined in a		N	, , , , , ,		

Reviewed by: 02/12/2016

Rev. 8/23/13								
API 47- 043	_ 03522	Farm n	ame_ALLEN,	TERRY & I	DAWNA	_Well number	158	·-
CASING STRINGS			Depth	New or Used	Grade wt/ft	Basket Depth(s)		ment circulate (Y/N) ide details below*
Conductor	12 1/4"	11 5/8"	30'	Used	LS			Sand In
Surface	8 3/4"	7"	507'	New	LS	64'		Y
Coal		<u>-</u>						
Intermediate 1								
Intermediate 2				-				
Intermediate 3								·
Production	6 1/4"	4 1/2"	2573.1'	New	J-55			Υ
Tubing								•
Packer type and de	epth set			<u> </u>		<u> </u>		
Comment Details	Circulated Est. 50 s	sks to surface on 7° su	rface cement job. Circ	ulated Est. 35 sks	lo surface on 4 1/2" c	ement job.	<u> </u>	
CEMENT DATA Conductor	Class/Type of Cement	Number of Sack					Cement (op (MD)	WOC (hrs)
Surface								
	Reg Neat	130	15.6	5 1	.18 1	154	Surface	8
Coal Intermediate 1								 -
ntermediate 2								
ntermediate 3								
Production	50:50 Pozmi	x 110/12	5 13.2/14	1.2 1.64	1/1.27 180	0/186	Surface	8
Tubing								
Orillers TD (ft)	2630'			Loggers Ti) (fl) 2619'			
	tion penetrated	Berea		Plug back			-	
Kick off depth	(ft) 600'							
Check all wirel	ine logs run	a caliper neutron	■ density ■ resistivity		d/directional ray	induction temperature	re □sonio	:
Well cored □	Yes 8 No	Convention	onal Sidev	vall	Were cut	tings collected	i ■ Yes □	ı No
			ENT USED FO	R EACH CA	SING STRING	ì		
o centralizers every 66 fr	om pottom en 4 1/2", Centre	alizer placed mid string on 7*						
			_					RECEIVED
WAS WELL C	OMPLETED A	AS SHOT HOLE	Yes B	No DE	TAILS		Οπισε	of Oil and
WAS WELL C	OMPLETED C	PEN HOLE?	□ Yes 🛔 No	DETA	ILS			EC 1 0 2015
							WV <u>E</u>	Pepartment
		Yes 🖁 No	TYPE OF TE				F	nental Prote

API	47- 043 - 03522	Farm name_ALLEN, TERRY & DAWNA	Well number_158
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	10/6/15	2435'	2445'	40	Berea

Please insert additional pages as applicable.

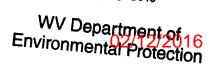
STIMULATION INFORMATION PER STAGE

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	10/8/15	5	1076	2877	2798	1,000	142	
		····-						
<u> </u>						ļ		
-		1				-		
-								RECEIVES
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Please insert additional pages as applicable.

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API 47- 043 - 03522		Farm	Farm name ALLEN, TERRY & DAWNA					_Well number_158			
PRODUCING Berea	FORMATION	<u>(S)</u>	<u>DEPTHS</u> 2324'- 2346'	TVD	2428'- 2452'	MD					
Please insert ad	ditional pages a	as annlicable									
	Build up		□ Onen Flow		OIL TEST □	Flow D	Pumn				
	SSURE Surf		-				•	F TEST	hrs		
OPEN FLOW	Gas	Oil			Water	GAS MI	EASUI	RED BY			
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD		BOTTOM DEPTH IN 1	FT DESCRIBE				ANTITYAND IL, GAS, H₂S, ETC)		
Sand/Shale	0	445	T 0	445	11120111	JOID (LICIO)	17771112	ic, Diai i.e, O	<u>, G, 1120, 210)</u>		
Pittsburgh Coal	445	453	445	453							
Sand/Shale	453	1606	453	1662							
Big Lime	1606	1810	1662	1887							
Big Injun	1810	1912	1887	2000							
Shale	1912	2304	2000	2408							
Coffee Shale	2304	2324	2408	2428							
Berea	2324	2346	2428	2452	Driil	ed directior	al S 72	.8° W a dis	tance of 544'		
Shale TD	2346 2524	2524	2452 2630	2630		<u> </u>					
						······································					
Please insert ad	ditional pages a	s applicable.									
Orilling Contra	Decker Dril	ling	C.	Vincent		a	ЭН	g: 4579	4		
Address <u>11565</u> 8			City	VIICEIL		State _		_ Zip <u>4578</u>			
Logging Compa Address 11000 F	any Weatherford	International	City	Youngstow	n	State _	ЭН	_ Zip <u>4450</u>	2		
Cementing Con Address 14 Sew	npany Universaler Plant Rd	l Services	City	Buckhanno	n	State _\	w	_Zip _2620	1		
Stimulating Cor	mpany Produc	ers Service Co	p.		_						
Address 109 Soi	uth Graham Street ditional pages a		City	Zanesville		State _	OH	Zip 43 1	ECEIVED		
									of Oil and G		
Completed by	Roger Heldman	19			Telephone	304-420-1	107		EC 1 0 2015		
				perations Mai			ate 10/				

	<u></u>				·
Prepared for:				Prepared by:	
H G Energy				Producers Serv	rice Corp
ii d Energy				Daniel L Graba	3771
Dustin Hendershot	producers			109 S. Graham	SL
304-481-7342	service corp.			Zanesville, OH	43702
	· 			740-454-6253	
INVOICE #: 19410					
WELL NAME: A Griffith#158					
COUNTY/STATE: Lincoln WV					
TOWNSHIP/FPLD: Griffithsville					
DATE of SERVICE: 10/8/2015					
CUSTOMER PO#					
Description	Notes	Amount	Units	Unit Cost	Total Cost
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1			
BLENDER CHARGE 0-10 BPM		1 100	EA	<u>[</u>	
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @200 Miles	400 250		[
IC ACID 15%		0.5		 	
PRO HIB II		4		†	
ACID DELIVERY		6		t	
PRO CLA FIRM LP PRO NE-21		6		†	
PRO GEL 4		150		†	
BUFFERI		50		Ť	
DATA VAN		1	STAGE	Ī	
BIO CLEAR 750		1	LB	Ī	
IRONTROL .		50		I	
SAND 20/40 OTTAWA		10		1	
SAND DELIVERY / TON MILES		100	TMILE	1	
				1	
				-	
				+	
				+	
			 	+	
			-	+	
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Customer Approval:

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