WR-35 Rev. 8/23/13 Page 1 of 4

12/05/2014

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

•				
API <u>47</u> 103 <u>027</u>	724 County W	'etzel	District Center	
Quad Big Run 7.5'		S L Crane	Field/Pool NameV	Vileyville
Farm name_ Briggs, Dianna	& Danny		Well Number30	
Operator (as registered with th	e OOG) H.G. ENERGY	/ LLC		
Address 5260 DuPONT RO		PARKERSBURG	State WV	Zip <u>26101</u>
As Drilled location NAD 83 Top ho Landing Point of Cur Bottom Ho	e Northing M ve Northing	Ea	sting M	
Elevation (ft) 939'	_ GL Type of We	ell □New a Existing		□Interim
Permit Type Deviated	□ Horizontal □ Hor	izontal 6A 📕 Vertical	Depth Type	□ Deep ■ Shallow
Type of Operation ■ Convert	□ Deepen	□ Plug Back □ Red	rilling Rework	- □ Stimulate
Well Type	□ CBM □ Gas □ Oil ■	Secondary Recovery	Solution Mining - St	Orage D Other
Drilling Media Surface hole Production hole Air M Mud Type(s) and Additive(s) N/A			hole ■ Air □ Mud	■ Fresh Water □ Brine
				WED
Date permit issued12/4/	Date drilling co	ommenced	Office of S	il and Gas
Date completion activities bega Verbal plugging (Y/N) N	n	Date completion act	ivities ceased NOV 1	278144
Please note: Operator is require				artment of Ital Protection
Freshwater depth(s) ft		_ Open mine(s) (Y/N) c		N
Salt water depth(s) ft	none'	_ Void(s) encountered (N
Coal depth(s) ft			d (Y/N) depths	N
Is coal being mined in area (Y/N				Reviewed by:

WR-35 Rev. 8/23/13										Page 2 of
API 47- 103	02724	Farm r	name	Briggs, D	ianna &	Danny	We	ll number3	306	
CASING STRINGS	Hole Size	Casing Size	1	Depth	New or Used	Grade	:	Basket Depth(s)		ement circulate (Y/ N vide details below*
Conductor									T	vace demiis ociow
Surface	8 3/4"	7"		933'	New		LS	84'		Y
Coal										
Intermediate 1										
Intermediate 2								·		
Intermediate 3										
Production	6 1/4"	4 1/2"	32	218.9'	New		J-55			N
Tubing		2 3/8"	2	910'	new		J-55			
Packer type and d									T-v	
CEMENT DATA Conductor	Class/Type of Cement	Numbe of Sack		Slurry wt (ppg)		ield ³/sks)	Volume	Cen Top (nent (MD)	WOC (hrs)
Surface	Reg Neat	190		45.0	- 					
Coal	i Neg Neat	190		15.6	1	.18	224	Surl	ace	8
Intermediate 1										
Intermediate 2				-					_	
Intermediate 3	-									
Production	50:50 Pozmix	200		440						
Tubing	00.001 02111X	200		14.2		.27	254			. 8
Drillers TD (ft) Deepest format Plug back proc	ion penetrated _	Gordon			oggers TI					
Kick off depth	(ft) <u>'</u>									
Check all wirel	ine logs run	☐ caliper ☐ neutron			e deviated			duction emperature	□soni	c
Well cored \Box	Yes 🗗 No	Conventio	nal	Sidewall	!	We	ere cuttings	collected	Yes c	1 No
DESCRIBE TH	E CENTRALIZ	ER PLACEME	NT US	SED FOR E	ACH CAS					
Centralizers every 84 from	n bottom on 4 1/2*, Centralizer	placed mid string on 7°								
VAS WELL CO	OMPLETED AS	SHOT HOLE	o Y	es 🖪 No	DET	AILS _				
VAS WELL CO	OMPLETED OP	EN HOLE?	□ Yes	■ No	DETAI	LS				
/ERE TRACE!	RS USED 🗆 Y	es A No	ТУРГ	E OF TRAC						

WR-35 Rev. 8/23/13			Page 3 of 4
API 47- 103 - 02724	Farm nameBriggs, Dianna & Danny	Well number_306	

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ORIGINAL	WR 35	ļ	
 -					
				-	· · · · · · · · · · · · · · · · · · ·
 					

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)
L		SEE	ORIGINAL	WR 35		T		,
<u> </u>								
							-	

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13								Page 4 of 4
	02724	Farm	name Briggs	. Dianna &	Danny	Well number	. 306	
API 4/		Faiii	name			wen number		
PRODUCING	FORMATION	<u>(S)</u>	DEPTHS					
Gordon			2866'-2983'	_TVD	3024'-3160'	MD		
								1
Please insert ad	ditional pages	as applicable.						
GAS TEST	□ Build up	□ Drawdown	□ Open Flow	(OIL TEST 🗖	Flow Pump)	
מממואז דוווטס	CCUDE Cum	fooo	ngi Botto	m Uala	nci	DURATION	ле тест	hra
						DUKATION	JF 1E31	
OPEN FLOW	Gas				Water	GAS MEASU ☐ Estimated		п Pilot
			<i></i>	_ opa	opu	L Limated	В Описс	L'I HOL
LITHOLOGY/	TOP	воттом	TOP	воттом				
FORMATION	DEPTH IN FT					ROCK TYPE AND	•	
· · · · · · · · · · · · · · · · · · ·	NAME TVD 0	TVD	MD 0	MD	TYPE OF FI	LUID (FRESHWAT	TER, BRINE, O	L, GAS, H₂S, ETC)
··-	SEE	ORIGINAL	WR-35					· · · · · · · · · · · · · · · · · · ·
		 						
		1						
Please insert ad	 ditional pages :	as annlicable		<u> </u>				
Orilling Contra Address	ctor N/A TO TI	THO WORK	City			State	Zin	1
								- i
	any N/A TO TH		City			State	7in	
							Zip	
_	npany N/A TO		<u> </u>			Chil		!
						State	Zıp	
	mpany N/A T				•	•		
	ditional pages a		City			State	Zip	
Completed by	Roger Heldma	in ,		Name # 1	Telephone	304-420-1107	441444	
Signature/_	34~/	per air	Title _	perations Mai	nager	Date _	11/11/14	

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry