WR-35 Rev. 8/23/13 Bu

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

API 47 - 103	01673	County WETZEL		District GREEN	
Quad CENTERPOINT	7.5'	Pad Name J.K. Fl		Field/Pool Name	STRINGTOWN
Farm name YELLOW H	OUSE SPO			Well Number E	
Operator (as registered wi	th the OOG)	H.G. ENERGY LLC		- Can an Introduction	
Address 5260 DuPON		City PAR	KERSBURG	State WV	Zip 26101
As Drilled location NA		Attach an as-drilled orthing 4,3470,784 M	l plat, profile view, ar Ea	nd deviation survey sting 525,757 M	
Landing Point of		orthing			
Botton	n Hole No	orthing	Eas	sting	
Elevation (ft) 1,268'	GL	Type of Well	New A Existing	Type of Repo	ort □Interim
Permit Type Devia	ted 🗆 Hot	izontal 🛮 Horizonta	al 6A - Vertical	Depth Type	☐ Deep ▲ Shallow
Type of Operation Cor	nvert 🗆 De	epen 🗆 Drill 💷 l	Plug Back 🗆 Redr	illing Rework	k Stimulate
Well Type 🗆 Brine Dispe	osal 🗆 CBM	□ Gas A Oil A Seco	ondary Recovery D S	Solution Mining	Storage Other
Type of Completion ■ S. Drilled with □ Cable		ple Fluids Produc	ed □ Brine □Gas	□ NGL	Other
Drilling Media Surface Production hole Air Mud Type(s) and Additiv	□ Mud □		er Intermediate	DMICE OF OIL a	MeD □ Fresh Water □ Brine Nd Gas
N/A			10	201	14
			Envir	V Departme	h.
Date permit issued 1	0/25/13	Date drilling comm	enced N/A	Onmental Pro Date drilling	nt of ng Ction N/A
Date completion activities	began	12/9/13	Date completion ac	tivities ceased	3/21/14
Verbal plugging (Y/N) _		ate permission granted	S. Service Contraction	A STATE OF THE STA	
Please note: Operator is r	equired to sub	mit a plugging applica	tion within 5 days of	verbal permission to	o plug
Freshwater depth(s) ft _		N/A	Open mine(s) (Y/N)	depths	N
Salt water depth(s) ft	N	/A	Void(s) encountered	(Y/N) depths	N
Coal depth(s) ft	N/A	4	Cavern(s) encountered		N
Is coal being mined in are	a (Y/N)	N			
in pointering mining in his					Reviewed by:

Kev. 8/23/13									
API 47- 103	_ 01673	Farm :	name_YELLOV	W HOUSE SF	PORTS CL	UB_Well n	umber_E-	18	
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		asket epth(s)		ent circulate (Y/ N) le details below*
Conductor	3120	Size	Т	Joseph	WUII	<u></u>	:pui(s)	Tiovic	ie details below
Surface		8 5/8"	528'	EXISTING	20	#			EXISTING
Coal	-					:		+	
Intermediate 1									
Intermediate 2	1		 						
Intermediate 3				1				+	
Production		4 1/2"	3231.95'	EXISTING	J-5	5		+	EXISTING
Tubing		7 112	0201.00	2		<u> </u>	-	1	<u> </u>
Packer type and de	pth set								· · · · · · · · · · · · · · · · · · ·
Comment Details									
CEMENT DATA	Class/Type of Cement	Numb of Sac			ield ³/sks)	Volume	Cem Top (l		WOC (hrs)
Conductor									
Surface	Reg Neat	275							EXISTING
Coal									
ntermediate 1									
Intermediate 2									
Intermediate 3			İ						
Production	50:50 Pozmi	x 170							EXISTING
Tubing									
Drillers TD (ft)	3262		•	_ Loggers Ti	D (ft) NA				
-	tion penetrated	Gordon		_ Plug back	lo (ft) <u>N/A</u>				
Plug back prod	cedure N/A							-	-
Kick off depth	(ft) <u>N/A</u>				-				
Check all wirel	line logs run	□ caliper □ neutron	-			nal □ ind □ ten		□sonic	:
Well cored 🛚	Yes B No	Convent	ional Sid	ewall	Wer	e cuttings c	ollected	□ Yes ■	No No
	HE CENTRAL	IZER PLACEM	IENT USED F	OR EACH CA	SING STR	RING			
EXISTING		-							
WAS WELL C	OMPLETED	AS SHOT HOL	F DVas	No DE	TAII C				
						-			
WAS WELL C	COMPLETED (OPEN HOLE?	□ Yes 🗂	No DETA	AILS				
WERE TRACI	ERS USED	Yes B No	TYPE OF	TRACER(S) U	JSED				

API 47- 103 - 01673 Farm name YELLOW HOUSE SPORTS CLUB Well number E-18

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD fl.	Number of Perforations	Formation(s)
1	12/11/13	3122'	3136'	56	GORDON
	-				
	· · · · · · · · · · · · · · · · · · ·				
	·				

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	12/12/13	10	2341	2925	1954	8,500	278	
					-			
					-			
						_		_
			<u> </u>					

Please insert additional pages as applicable.

API 47- 103	_ 01673		Farm	name_	YELLOV	V HOUSE	SP	ORTS	CLU	B _{Well} ı	number_	E-18		
PRODUCING Gordon	FORMAT	ion(s	<u></u>	3122'-		_tvd —	312	22'-3130	6'	MD				
Please insert ad	lditional pa	iges as	s applicable.			_			•	_				
GAS TEST	□ Build u	р 🗆	Drawdown	□ Ор	en Flow		OIL	. TEST	- - F	low E	Pump			
SHUT-IN PRE	SSURE	Surfa	ice	psi	Botto	m Hole_		p	si	DURAT	ION OI	F TEST _	hrs	
OPEN FLOW	Gas	mcfj	Oil od	bpd	NGL	_ bpd			bpd			RED BY	□ Pilot	
LITHOLOGY/ FORMATION	TOP DEPTH II NAME T	V FT	BOTTOM DEPTH IN FT TVD	DEP	TOP TH IN FT MD	BOTTO DEPTH IN MD						_	JANTITYAND DIL, GAS, H₂S, E1	DC)
Sand/Shale	0	<u>,,,</u>			0	141.5		1116	OI IL			. WELL RE		ic)
Pittsburgh Coal														
Sand/Shale														
Big Lime												-		
Big Injun														
Shale							ī							
Fifty Foot	i -													
Shale							T							
Sand					•		T						-	
Shale											_			
Gordon														
Shale					-									
TD					_									
								·						
Please insert ad	ditional pa	iges as	applicable.		_									
Drilling Contra	ctor													
Address					City					State		Zip		
Logging Compa		achian	Well Surveys							_				_
Address 10291	Ohio Ave				_ City	Cambridg	e			_ State	ОН	_ Zip <u>437</u>	25	
Comontino Con														
Cementing Con Address	-									Stata		7:n		
Addiess					_ City					_ State		_ Z ıp		_
Stimulating Co Address 109 So	mpany P	roduce	ers Service Co	огр.	City	Zanesville	_			Stata	ОН	_ Zip <u>437</u>	01	
Please insert ad			applicable.		City					_ 51415		_ &ıp <u></u>		_
Completed by	Roger Hel	ldman						Telen	hone	304-420	-1107			
Signature	D1-	Re	id-	_	Title O	perations M	– anage	p			Date 06	27/14		
	A		<u> </u>			_								

103-01673

Prepared for:

H G Energy LLC

Roger Heldman

INVOICE #:
WELL NAME:
DATE of SERVICE:
CUSTOMER PO#

Customer Approval: _



Prepared by:
Producers Service Corp
Matt Unfied
109 S. Graham St.
Zanesville, OH 43702
740-454-6253

Notes	Amount	Units
1	1	EA
DCE	1	EA
2 Unite @ 70 Miles	140	IVI
Z Ullits (b) TO Miles	500	GAL
	4	HR
	1	GAL
	20	GAL
	10	GAL
	250	LB
	50	LB
	50	LB
	1	LB
	22	
		STAGE
0 20 1011-	100,000	TMILE
10 Ion @ 70 Wiles		
	Notes ARGE 2 Units @ 70 Miles 10 Ton @ 70 Miles	ARGE 1 2 Units @ 70 Miles 140 2 Units @ 70 Miles 500 4 10 250 50 50 11 222 15 15 15 10 200

P.