WR-35 Rev (9-11)

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

DATE:	January 23, 2013	
API #:	47-103-2643	

Farm name: L. S. Hoyt	Operator Well No.: 402-3H RECEIVED Office of Oil and										
LOCATION: Elevation: 1428'	Quadrangle:	Pine Grove 7.5'									
District: Grant	County: Wet	zei	JUL 2 6 2013								
	Min.	Sec.									
LongitudeFeet West ofDeg	Min.	Sec.		V Department of nmental Protection							
Company: HG Energy, LLC											
Address: 5260 Dupont Road	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.							
Parkersburg, WV 26101	20" Casing	40'	40'	N/A - Drilled							
Agent: Mike Kirsch	94 #, H-40			ln							
Inspector: Derek Haught											
Date Permit Issued: 5/26/2011	13 3/8" Casing	1,383'	1,383'	Cement to Surface							
Date Well Work Commenced: 9/01/2011	54.5#, J-55			1172 Sacks							
Date Well Work Completed: 11/27/2012											
Verbal Plugging:	9 5/8" Casing	3,488'	3,488'	Cement to Surface							
Date Permission granted on:	40#, J-55	***		1232 Sacks							
Rotary Cable Rig V											
Total Vertical Depth (ft): 7.398 7 7452	5 1/2" Casing	12,898'	12,898'	Cement to Surface							
Total Measured Depth (ft): 12,920'	20#, P-110			1711 Sacks							
Fresh Water Depth (ft.): 160', 440'											
Salt Water Depth (ft.): 1,940'	2 3/8" Tubing	N/A	7,612'	N/A							
Is coal being mined in area (N/Y)? No	4.7 #, L-80										
Coal Depths (ft.): 936', 1,033', 1,172'											
Void(s) encountered (N/Y) Depth(s) N/A											
OPEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay z Gas: Initial open flow 11,000 MCF/d Oil: Initial open flow Final open flow 9,000 MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure 3,600 psig (surface pressure) aft Second producing formation N/A Pay zon Gas: Initial open flow MCF/d Oil: Initial open flow Time of open flow MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure psig (surface pressure) aft	ter <u>24</u> Hour ne depth (ft) ow <u>Bb</u> Bbl Hours	s bl/d //d	ta on control of RECOTON CONTROL OF THE PROPERTY OF THE PROPER	partnent of partners of partne							

all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Diane White

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and

2-27-13

09/27/2013

Were Electrical, Mechanical or Geophysical logs recorded on this well? If you Real time gamma ray logs white drilling via the MWD Tool. Also Mud logs. NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOT COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO Perforated Intervals, Fracturing, or Stimulating:	DETAILS OF PERFORATED INTERVALS THE WELL LOG WHICH IS A SYSTEMATIO TOMS OF ALL FORMATIONS, INCLUDING
FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOT COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO	. THE WELL LOG WHICH IS A SYSTEMATIC TOMS OF ALL FORMATIONS, INCLUDING
Perforated Intervals, Fracturing, or Stimulating:	
See Attached	
Plug Back Details Including Plug Type and Depth(s):	
Formations Encountered: Top Depth Surface:	/ Bottom Depth
TVD Tops Bottom	
Directions 2420	
Big Lime - 2420 2490 Big Injun - 2490 27 12	-
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	9173-75	1st Cluster		9443-45	1st Cluster	77.00	9710.13	1st Cluster	220000	ast Cluster		10253-55	1st Cluster		10523-25	1st Cluster		10793-95	1st Cluster		11063-65	1st Cluster		11333-35	1st Cluster		11603-05	1st Cluster		11873-75	1st Cluster		12140-42	1st Cluster		12413-15	1st Cluster	12683-85	1st Cluster		12808	1st Cluster
	П	2nd Cluster		9403-05	7		9669-70	2nd Cluster	ſ	SPERGO	1	г	2nd Cluster	1	10483-85	2nd Cluster		10753-55	2nd Cluster		11023-25	2nd Cluster		11293-95	2nd Guster		11563-65	2nd Cluster		11833-35	2nd Custer		12098-100	2nd Cluster		12373-75	2nd Cluster	12643-45	2nd Cluster		NA.	2nd Cluster
	9088-90	3rd Cluster		9358-60	3rd Custer		9625-27	3rd Cluster		9898-9900		10168-70	3rd Cluster		10488-90	3rd Custer		10708-10	3rd Custer		10978-80	3rd Custer		11248-50	3rd Custer		11518-20	3rd Cluster		11788-90	3rd Custer		12056-58	3rd Cluster		12328-30	3rd Cluster	12598-00	3rd Cluster		NA	3rd Cluster
	9043-45	4th Cluster		9313-15	4th Cluster		9583-85	4th Cluster		9853-55	Ash Circtor	20123-23	4m Custer		10393-35	4m Custer		10663-65	ath Charter		10933-35	4th Clister		21203-05	4th Custer		11475-77	4th Cluster		11/43-45	40 Cister		12010-12	4th Custer		12283-85	4th Cluster	12553-55	4th Cluster		×	4th Cluster
	9003-05	5th Cluster		9273-75	5th Guster		9541-43	5th Cluster		9813-15	Sth Cluster	TOPOGO	Section inc	Total Chief	·	Seemo inc	Esh Chierar	10623-23	aniens inc	Eth Chircher	10895-90	SOUTH INC	2	CO-COTTE	The line	Esh Chiston	11435-35	Entern the	Est Change	TT/UJ-CD	anemo inc		119/0-/2	Still Custer		12243-45	5th Cluster	12513-15	5th Cluster		NA	5th Cluster
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