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:	March 9, 2012
API#:	47-7302529

Quadrangle:	LIGACH LYOCK		
County: Ple	asants		
Mi	n. Se		
Mii	nSe	<b>.</b>	
Cooling 8	Tradia	I at in wall	Cement fi
Tubing &	drilling	Len in wen	up Cu. Ft.
7"	250	250	to surfa
4-1/2	2900	2900	1800' fill
zone depth (ft flow -0- w -0- Hou fter _72	2778 - 2788 Bbl/d Bbl/d rs ours 2660 - 2666 Bbl/d	lata on separate	sheet)
	Casing & Tubing 7" 4-1/2  ions please inc zone depth (ft flow -0- w -0- Hounter 72 Hounter 72 Hounter 72 Hounter 72 Hounter 7- Hount	Casing & Used in drilling 7" 250 4-1/2 2900  dions please include additional of zone depth (ft) 2778 - 2788 flow -0- Bbl/d B Hours after 72 Hours  one depth (ft) 2660 - 2666 flow -0- Bbl/d ow -0- Bbl/d	Casing & Used in Tubing drilling  7" 250 250  4-1/2 2900 2900  does not be a separate to the s

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

Mark 2 It	<b>Le.</b> 3-13-12	3-13-12	
Signature	Date	=2	

Were core samples taken? Yes N	No X Were cuttings caugh	t during drilling? YesNo_X			
Were Electrical, Mechanical or Geophysic	cal logs recorded on this well? If yes, please lis	st_density, neutron & induction			
FRACTURING OR STIMULATING, DETAILED GEOLOGICAL RECOI	PUT THE FOLLOWING: 1). DETAILS PHYSICAL CHANGE, ETC. 2). THE WEI RD OF THE TOPS AND BOTTOMS OF ELLBORE FROM SURFACE TO TOTAL I	LL LOG WHICH IS A SYSTEMATIC  ALL FORMATIONS, INCLUDING			
Perforated Intervals, Fracturing, or Stimulating:					
Frac stage 1 - Gordon 2778-2788	3 22,500# 20/40 sand, 30 BPM @ 17	750# slick water frac. 11 perfs			
Frac stage 2 - Gantz 2660-2666	24,000# 20/40 sand, 30 BPM @ 165	50# slick water frac. 7 perfs			
DI DIDITIO	J.D. ad. (A)				
Plug Back Details Including Plug Type as	id Depth(s):				
	man and	Pottom Double			
Formations Encountered: Surface:	Top Depth /	Bottom Depth			
Salt Sand	1568	1582			
Maxton	1722	1744			
Big Injun	1968	2027			
Berea	2383	2389			
Gantz	2660	2666			
Gordon	2778	2788			
TD 2936					