WR-35 Rev (8-10)

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

DATE:	10/22/2010
API #:	47-031-00031

Farm name: MONGOLD, VERNON 8	RHOND.		Operator	Well N	To.:_1	
LOCATION: Elevation: 2,099			Quadrang	gle: BE	RGTON	
District: LOST RIVER			County:	HARD	Υ	
Latitude: 12,800	Feet South of 38	Deg.	50	Min.	23.77	Sec.
Longitude 11,060'	Feet West of 78	Deg.	57	Min1	18.94	_Sec.

Company: CARRIZO (MARCELLUS) LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1000 LOUISIANA, SUITE 1500, HOUSTON, TX 77002	13-3/8"	320'	320'	402
Agent: ED KRONENBERGER	9~5/8"	1,226'	1,226'	577
Inspector: BILL HATFIELD	5-1/2"	7,906'	7,906'	1289
Date Permit Issued: 09/30/09				
Date Well Work Commenced: 12/19/09				
Date Well Work Completed: 09/08/10				errated there are
Verbal Plugging:			Own Control	
Date Permission granted on:			- Office o	Oli Subas
Rotary X Cable Rig			OCT	28 2010
Total Vertical Depth (ft): 7,906'			10 Marie	a militaria de la compansión de la compa
Total Measured Depth (ft): 7,906!			And the second second	A di la la la p
Fresh Water Depth (ft.): 150'				19200
Salt Water Depth (ft.): UNKNOWN				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): NA				:
Void(s) encountered (N/Y) Depth(s) NO				

OPEN FLOW DATA (If mor	e than two producing formations ple	ase include a	dditional data on separate sheet)
Producing formation	Pay zone c		
Gas: Initial open flow	MCF/d Oil: Initial open flow	Bbl/d	
Final open flow	MCF/d Final open flow	Bbl/d	
Time of open flow bety	veen initial and final tests	Hours	RECEIVED
Static rock Pressure	psig (surface pressure) after	Hours	Office of Oil & Gas
Second producing formation	onPay zone dep	oth (ft)	NOV 1 4 2011
Gas: Initial open flow	MCF/d Oil: Initial open flow	Bbl/d	
Final open flow	MCF/d Final open flow	Bbl/d	WV Department
Time of open flow bety	veen initial and final tests	Hours	Environmental D
Static rock Pressure	psig (surface pressure) after	Hours	WV Department of Environmental Protection

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.

Signature Signature

0 22 10 Date

Were core samples taken? YesNo_X	Were cuttings caught du	ring drilling? Yes 1 No
Were Electrical, Mechanical or Geophysical log platform express, fmi, ecs, sonic scanner	ss recorded on this well? If yes, please list	
NOTE: IN THE AREA BELOW PUT FRACTURING OR STIMULATING, PHY DETAILED GEOLOGICAL RECORD O COAL ENCOUNTERED BY THE WELLE	SICAL CHANGE, ETC. 2). THE WELL INFORMED THE TOPS AND BOTTOMS OF A	LOG WHICH IS A SYSTEMATIC LL FORMATIONS, INCLUDING
Perforated Intervals, Fracturing, or Stimulating		
STAGE 1: 7,769' - 74'; 7,789' - 94'; 7,7	95' - 7,809'	
FRAC W/ 7,546 BBLS FLUID & 31,500	0# 100 MESH + 144,000# 40/70 SAI	ND
STAGE 2: 7,635' - 40'; 7,655' - 60'; 7,6	98' - 7,703'; 7,715' - 20'	
FRAC W/ 7,316' - BBLS FLUID & 30,3	00# 100 MESH + 144,000# 40/70 S	AND
Plug Back Details Including Plug Type and De	pth(s):	
Formations Encountered:	Top Depth /	Bottom Depth
Surface:		
		400
SILTY SHALE	0	160'
SANDSTONE	160'	2,130'
SILTY SHALE	2,130'	4,520'
SHALE	4,520'	5,880'
LIMEY SHALE	5,880'	6,000'
SHALE	6,000'	6,196'
TULLY LIMESTONE	6,196'	6,289'
MAHANTANGO SHALE	6,289'	7,328'
UPPER MARCELLUS SHALE	7,238'	7,263'
PURCELL LIMEY SHALE	7,263'	7,625'
LOWER MARCELLUS SHALE	7,625'	7,826'
ONONDAGA LIMESTONE	7,826'	TD - 7,906'
- A O		
SIGNED: AROLA LLUT	DATE: 11/11/11	

Were core samples taken? YesNo	X Were c	cuttings caught during drilling? Yes_XNo	
Were $\frac{Y}{Y/N}$ Electrical, $\frac{N}{Y/N}$ Mechanical		orded on this well?	
FRACTURING OR STIMULATING, I	PHYSICAL CHANGE, ETC. 2 OF THE TOPS AND BOTTO	1). DETAILS OF PERFORATED INTERVAI 2). THE WELL LOG WHICH IS A SYSTEMAT OMS OF ALL FORMATIONS, INCLUDING CO. TAL DEPTH.	ГIС
Perforated Intervals, Fracturing, or Stimula	ting:		
STAGE 1: 7,769'-74'; 7,789'-94';	7,795'-7,809'		
FRAC W/ 7546 BBLS FLUID & 31,	500# 100 MESH + 144,00	00# 40/70 SAND	
STAGE 2: 7,635'-40'; 7,655'-60';	7,698'-7,703'; 7,715'-20'		
FRAC W/ 7,316 BBLS FLUID & 30	,300# 100 MESH + 144,0	000# 40/70 SAND	
REMARKS: WELL CURRENTLY	SHUT-IN, PENDING FUR	RTHER EVALUATION & TESTING	
	· · · · · · · · · · · · · · · · · · ·		
Formations Encountered:	Top Depth	/ Bottom Depth	
Surface:	Top Deptil	, pottom Deptin	
TULLY	6,196'	6,289'	
MAHANTANGO	6,289'	7,328'	
UPPER MARCELLUS	7,238'	7,263'	
PURCELL	7,263'	7,625'	
LOWER MARCELLUS	7,625'	7,826'	-
ONONDAGA	7,826'	TD-7,906'	