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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 47-047-2657 W County McDowell District Big Creek  
Quad Bradshaw Pad Name \_\_\_\_\_ Field/Pool Name Pond Creek  
Farm name Pocahontas Mining Limited Well Number 560 WV-K35 PMC South  
Operator (as registered with the OOG) GeoMet Operating Company  
Address 5336 Stadium Trace Pkwy Suite 206 City Birmingham State Alabama Zip 35244

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4128581.00 Easting 432067.91  
Landing Point of Curve Northing n/a Easting n/a  
Bottom Hole Northing n/a Easting n/a

Elevation (ft) 2369 GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s) \_\_\_\_\_

Date permit issued Oct 19, 2012 Date drilling commenced 11/10/2008 Date drilling ceased 11/14/2008  
Date completion activities began 9/19/2013 Date completion activities ceased 9/24/2013  
Verbal plugging (Y/N) N Date permission granted \_\_\_\_\_ Granted by \_\_\_\_\_

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 50-200' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1,181' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 551' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**RECEIVED**  
Office of Oil & Gas

Reviewed by: \_\_\_\_\_

APR 28 2014

05/02/2014

API 47-047 - 2657 W Farm name Pocahontas Mining Limited Well number 560 WV-K35 PMC South

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	15"	13-3/8	18'	New			
Surface	10-3/4"	8-5/8	667'	New		88'	N
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	8"	5-1/2	1962'	New			Y
Tubing							
Packer type and depth set							

Comment Details Casing and Cementing information pertains to entire well make up. Well was drilled in 2008

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	Class A	180	15.6	1.19			
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	50/50 Poz	310	14.2	1.31			
Tubing							

Drillers TD (ft) 1995' Loggers TD (ft) 1995.89  
 Deepest formation penetrated Coal 1944-46 Plug back to (ft) n/a  
 Plug back procedure n/a

Kick off depth (ft) n/a

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING n/a

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft	Perforated to MD ft	Number of Perforations	Formation(s)
1st	2/21/2013	547'	549'	4	Coal -- 551'

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)
	N/A							

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 89 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas \_\_\_\_\_ mcfpd Oil \_\_\_\_\_ bpd NGL \_\_\_\_\_ bpd Water \_\_\_\_\_ bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

Drilling Contractor Largo Well Service  
Address PO Box 1484 City Abingdon State VA Zip 24212

Logging Company Well Service of Virginia  
Address PO Box 627 City Richlands State VA Zip 24641

Cementing Company Universal Well Services  
Address 5252 Rt 1428 City Allen State KY Zip 41601

Stimulating Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

★ Completed by Jeff Cooper Telephone 276-971-3268  
Signature Jeff Cooper Title Production Supervisor Date 4-29-14

Submission of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry