

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

API 47 - 061 - 01830 County Monongalia District Clay  
Quad Blacksville Pad Name Matteo Field/Pool Name \_\_\_\_\_  
Farm name Matteo Well Number 2H  
Operator (as registered with the OOG) Northeast Natural Energy LLC  
Address 707 Virginia St. E, Suite 1200 City Charleston State WV Zip 25301

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4389916.1 Easting 568692.5  
Landing Point of Curve Northing NA Easting NA  
Bottom Hole Northing NA Easting NA

Elevation (ft) 1492 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)  
NA

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Date permit issued 2/28/19 Date drilling commenced 5/2/19 Date drilling ceased 7/16/19  
Date completion activities began NA Date completion activities ceased NA  
Verbal plugging (Y/N) Y Date permission granted 9/25/19 Granted by Gayne Knitowski, Inspector

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

Freshwater depth(s) ft 915', 1040' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 2,308' Void(s) encountered (Y/N) depths Y, 1040'  
Coal depth(s) ft 710', 984' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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

WR-35  
Rev. 8/23/13

API 47-061 - 01830 Farm name Matteo Well number 2H

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	30"	24"	40'	N	NA	NA	Y
Surface	17-1/2"	13-3/8"	1198'	N	54.5	NA	Y
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

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	4,500 PSI Grout	36		.75	27	CTS	8+
Surface	Class A + 2%	547	15.6	1.21	1232	CTS, 10 bbl	8+
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 2,800      Loggers TD (ft) 2,780  
 Deepest formation penetrated Big Injun      Plug back to (ft) surface  
 Plug back procedure Set a solid column API cement plug in 500' increments to surface. Fill cellar with concrete.

Kick off depth (ft) NA

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 \_\_\_\_\_  
Surface casing - bow spring centralizers every 3rd joint or approximately 120'

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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