

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: 10/31/13
API #: 47-10100124

Farm name: Buck, Donald and Norma Operator Well No.: Sun Lumber 3MH

LOCATION: Elevation: 1786ft Quadrangle: Hacker Valley 7.5'

District: Hacker Valley County: Webster
Latitude: 0 Feet South of 38 Deg. 41 Min. 52.3 Sec.
Longitude 0 Feet West of 80 Deg. 28 Min. 07.3 Sec.

Company: Energy Corporation of America

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
501 56th Street SE Charleston, West Virginia 25304	20" Cond.	30ft	30ft	Surface
Agent: Rodney Winters, VP of Land	13-3/8" Surf	297.5ft	297.5ft	Surface
Inspector: Brian Harris	9-5/8" Inter.	1591t.	1591ft	Surface
Date Permit Issued: 12/28/2012	7" Inter.	6185ft	6185ft	4500 cu ft
Date Well Work Commenced: 1/31/2013	4 1/2" Prod	9317 ft	9317 ft	910 cu ft
Date Well Work Completed: 10/17/13				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6847				
Total Measured Depth (ft): 10300				
Fresh Water Depth (ft.): 150				
Salt Water Depth (ft.): 1445				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s) N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Devonian Shale Pay zone depth (ft) 6847
Gas: Initial open flow 0 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 0 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 168 Hours
Static rock Pressure 993 psig (surface pressure) after 24 Hours

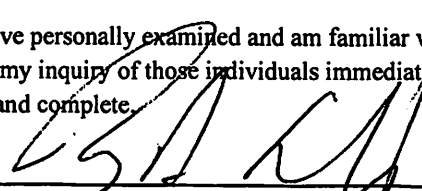
Second producing formation N/A Pay zone depth (ft) N/A
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

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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

11/1/13
Date

01/10/2014

101-00124

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list N/A

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stage #1: Devonian Shale

30 Holes 9035'-8907' Water Frac 174,875 lbs sand. 4720 bbl CFL

Stage #2: Devonian Shale

30 Holes 8884'-8758' Water Frac 193,200 lbs sand. 4884 bbl CFL

Stage #3: Devonian Shale

30 Holes 8734'-8608' Water Frac 201,600 lbs sand. 4985 bbl CFL

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	Bottom Depth
Surface:		

Top fill - 0/40

Sand & Shale - 40/1150

Maxton - 1150/1470

Little Lime - 1470/1500

Blue Monday - 1500/1555

Big Lime - 1555/1760

Big Injun - 1760/1965

Gantz - 1965/2240

Fifth Sand - 2240/2400

Sand & Shale - 2400/4290

Benson - 4290/4400

Sand & Shale - 4400/6645

Geneseo - 6645/6690

Hamilton/Marcellus - 6690/10300

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