

21 August 2012

API # 47-10100104

**State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work**

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Office of Oil & Gas
Operator Well No.: ECA/Pardee 3

AUG 28 2012

WV Department of
Environmental Protection

Farm name: Pardee

LOCATION: Elevation: 1577' Quadrangle: Hacker Valley
District: Holly County: Webster
Latitude: 80° 29' 20.3 "
Longitude: 38° 39' 39.7 "

Company: EASTERN AMERICAN ENERGY CORPORATION
501 56th Street
Charleston, WV 25328

Casing & Tubing	Used in Well	Left in Well	Cement Fill Up Cu. Ft.
9-5/8"	696'	696'	305 sks
7"	2367'	2367'	240 sks
4-1/2"	6739'	6739'	265 sks

Agent: Rod Winters

Inspector: Craig Duckworth

Permit Issued: 01/11/2007

Well work commenced: 07/13/2007

Well work completed: 10/11/2007

Verbal plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet): 6777'

Fresh water depths (ft): 140', 295'

Salt-water depths (ft): 1124'

Is coal being mined in area? (Y/N) No

Coal Depths (ft): N/A

Open Flow Data

Gas:	Initial open flow	<u> N/A </u>	MCF/d	Oil:	Initial open flow	<u> 0 </u>	Bbl/d
	Final open flow	<u> </u>	MCF/d		Final open flow	<u> 0 </u>	Bbl/d
	Time of open flow between initial and final tests				<u> </u>	Day	
	Static rock pressure	<u> N/A </u>	psi	(surface pressure) after	<u> </u>	Hours	
1 st Producing Formation	<u> </u>	Marcellus		Pay zone depth (ft)	<u> 6450'- 6500' </u>		
2 nd Producing Formation	<u> </u>			Pay zone depth (ft)	<u> </u>		
3 rd Producing Formation	<u> </u>			Pay zone depth (ft)	<u> </u>		
4 th Producing Formation	<u> </u>			Pay zone depth (ft)	<u> </u>		

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Rod Winters, Agent
For: EASTERN AMERICAN ENERGY CORPORATION

By: Designated Agent
Date: 21 August 2012

09/14/2012

ECA/Pardee

ECA/Pardee 3 WR35

STAGE ONE: Marcellus
Shots 6450' - 6500'
60Q Foam Frac 71482 lbs sand. 1.778 MMcf
N2

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FORMATION COLOR, HARD OR SOFT	TOP FEET	BOTTOM FEET
K.B.	0	10
Fill	10	20
Sand	20	50
Sandy Shale	50	63
Sand	63	172
Sandy Shale	172	444
Salt Sand	444	641
Salt Sand	641	756
Coal	756	760
Salt Sand	760	800
Sandy Shale	800	815
Shale "R.R."	815	955
Sandy Shale	955	1021
Sand	1021	1037
Sandy Shale	1037	1170
Shale	1170	1250
Little Lime	1250	1290
Blue Monday	1290	1340
Big Lime	1340	1570
Sandy Shale	1570	1655
Shale	1655	1765
Gantz	1765	1825
Shale	1825	1840
Gordon	1840	1870
Shale	1870	2029
Fifth Sand	2029	2083
Sandy Shale	2083	3523
Shale	3523	3647
Sandy Shale	3647	3930
Benson	3930	3955
Shale	3955	4160
Sandy Shale	4160	4327
Alexander	4327	4360
Sandy Shale	4360	4985
Shale	4985	6556
Marcellus	6556	6617
Onondaga	6617	6620
Huntersville	6620	6777

REMARKS
Including indication of all fresh & salt water, coal, oil & gas

Hole damp @ 140'
2" H2O @ 295'
Damp @ 1124'

Gas Checks:

1000' - N/S
1325' - N/S
2100' - N/S
4020' - N/S
4979' - N/S
5578' - N/S
5795' - N/S
6009' - N/S
6630' - N/S
Collars' - N/S

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