Farm Name: Simms

Operator Well No.: 3H1

LOCATION:
- Elevation: 1235'
- Quadrangle: New Martinsville 7.5'
- District: Franklin
- County: Marshall
- Latitude: 45 1.455' 39 Deg. 45 Min. 00 Sec.
- Longitude: 80 5.780' 60 Deg. 45 Min. 00 Sec.

Company: Gastar Exploration USA, Inc

Address: 229 West Main St, Suite 301

Clarksburg, WV 26301
Agent: Michael McCown
Inspector: Bill Hendershot

Date Permit Issued: 5/24/2011
Date Well Work Commenced: 5/27/2011
Date Well Work Completed: 12/23-2011

Verbal Plugging:

Date Permission granted on:

Rotary □ Cable □ Rig ✓

TOTAL VERTICAL DEPTH (ft): 6631'
TOTAL MEASURED DEPTH (ft): 12,825'
FRESH WATER DEPTH (ft): 60'
SALT WATER DEPTH (ft): 1600'

Is coal being mined in area (N/Y)? No
Coal Depths (ft): Refer to page 2
Void(s) encountered (N/Y) Depth(s) No

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

Producing formation Marcellus Pay zone depth (ft) 7771 to 12,496'
Gas: Initial open flow 1145 MCF/d Oil: Initial open flow 6 Bbl/d
Final open flow 2254 MCF/d Final open flow 30 Bbl/d
Time of open flow between initial and final tests 96 Hours
Static rock Pressure __________ psig (surface pressure) after _______ Hours

Second producing formation __________ Pay zone depth (ft)

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 between initial and final tests ______ Hours
Static rock Pressure __________ psig (surface pressure) after _______ Hours

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.

Dr. [Signature] 6-28-13

01/17/2014
Were core samples taken? Yes No X
Were cuttings caught during drilling? Yes No X
Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list No

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:
See attached sheet:

Plug Back Details Including Plug Type and Depth(s): n/a

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sewickley Coal 838 - 858	Geneseeo 6399 - 6417
Pittsburgh Coal 991 - 1001	Tully 6417 - 6462
Maxton 2015 - 2065 Hamilton 6462 - 6542
Big Lime 2066 - 2096 Marcellus 6542 - 6631
Big Injun 2104
Base of Big Injun 2280
Weir 2394 - 2564
Berea 2586 - 2826
Gordon 2828 - 2858
Benson 3573 - 3583
Java 5141 - 5461
Rhinestreet 5909 - 6221
Cashqua 6221 - 6320
Middlesex 6320 - 6342
West River 6342 - 6399

Reserved
Office of Oil & Gas

01/17/2014
### Water to Recover

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### Fluid A & Sand Volume Summary - Stims #3H

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### Additional Information

- **Office of Oil & Gas:** Received on July 1, 2014.
- **Date:** 01/17/2014.