

## WELL COMPLETION RECORD (Form 8)

RECEIVED

MAR 17 2014

Division of Oil and Gas  
Resources Management

Ohio Department of Natural Resources  
Division of Oil and Gas Resources Management  
2045 Morse Road, Bldg. F-2, Columbus, OH 43229-6693  
Telephone: (614) 265-6922; Fax: (614) 265-6910

This report is due in duplicate 60 days after completion of the well. If the permit has expired and the well was not drilled, check the box below, sign on reverse side (Back), and return to our office within 30 days after expiration. ☐

1. Owner #: 8905		3. API #: 34-155-2-4076-00-00																																																					
2. Owner name, address and telephone numbers: AMERICAN WATER MGMT SERV LLC ONE AMERICAN WAY WARREN, OH 44484 Telephone No.: (330) 856-8800		4. Type of Permit: SWIW																																																					
		5. County: TRUMBULL																																																					
		6. Civil Township: WEATHERSFIELD																																																					
8. Type of Well: Salt Water Injection Well		7. Footage: 562' SL & 2158' WL OF SECTION 9																																																					
9. X: 2,474,657 Y: 561,623		21. Date drilling commenced: 9/13/2013																																																					
10. Quad: WARREN		22. Date drilling completed: 11/2/2013																																																					
11. Section: 9 12. Lot:		23. Date put into production:																																																					
13. Fraction: 14. Qtr. Twp:		24. Date plugged, if dry:																																																					
15. Tract:		25. Producing formation:																																																					
16. Allot:		26. Deepest formation: ROCHESTER																																																					
17. Well #: 1		27. Driller's total depth: 4403																																																					
18. Lease Name: AWMS-1 (SWIW #21)		28. Logger's total depth: 4400																																																					
19. PTD: 4700 20. Drilling unit: n/a		29. Lost hole at _____ feet.																																																					
30. Type of tools: <input type="checkbox"/> Cable <input checked="" type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Fluid Rotary <input type="checkbox"/> Service Rig		31. Type of completion: <input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Through Casing <input type="checkbox"/> Slotted Liner																																																					
		32. Elevation: Ground Level 909 Derrick Floor _____ Kelly Bushing 924																																																					
33. Perforated intervals and number of shots: Open hole																																																							
34. Name of Frac Company:																																																							
35. Method of shot, acid, or fracture treatments, production tests, pressures, etc.: SHOT: _____ ACID: _____ FRAC FLUIDS: _____ SAND: _____ PRESSURES (psi): _____ Lbs. _____ Gals. 2800 Water (gals) _____ Lbs. _____ Breakdown 1250 Qts. _____ Type HCl Water (bbl) _____ Sks. _____ ATP 1100 Type _____ Percent 28 CO2 (tons) _____ ISIP 960 N2 (mscf) _____ 5 min. SIP 540 Avg. Rate 3 BPM METHOD OF FLUID CONTAINMENT FLUIDS: PIT FRAC TANK Swab <input type="checkbox"/> <input type="checkbox"/> Flowback <input type="checkbox"/> <input type="checkbox"/> DATE TREATED: _____ <input type="checkbox"/> Well Stimulation Additives Report (Form 8B) Attached <input type="checkbox"/> Stimulation Information Reported to FracFocus.																																																							
36. Amount of initial production per day: (MCF) (Bbls) (Bbls) Natural: Gas _____ Oil _____ Brine _____ After Treatment: Gas _____ Oil _____ Brine _____ SERC Data: Number of Tanks: _____ Maximum Storage Capacity of all Tanks (bbls.) _____																																																							
37. Casing and tubing record: <table border="1"><thead><tr><th>Type</th><th>Wellbore Diameter</th><th>Casing Size</th><th>Feet Installed</th><th>Amount of Cement (Sacks)</th><th>Feet Left in Well</th><th>Number of Centralizers</th></tr></thead><tbody><tr><td>Conductor/Drive Pipe:</td><td>36</td><td>30</td><td>40</td><td>10 yards</td><td>40</td><td>0</td></tr><tr><td>Surface:</td><td>24</td><td>20</td><td>100</td><td>265</td><td>100</td><td>0</td></tr><tr><td colspan="7"><input type="checkbox"/> Attach Form 8A (Surface Hole Additives Report)</td></tr><tr><td>Intermediate:</td><td>17.5</td><td>13.375</td><td>644</td><td>600</td><td>644</td><td>7</td></tr><tr><td>Production:</td><td>12.25</td><td>8.625</td><td>4056</td><td>1000</td><td>4056</td><td>25</td></tr><tr><td>Tubing:</td><td></td><td>4.5</td><td>4006</td><td></td><td>4006</td><td></td></tr></tbody></table> Other: set 4.5" x 8.625" Baker Loc-Set packer @4006' with on/off tool and wireline entry guide							Type	Wellbore Diameter	Casing Size	Feet Installed	Amount of Cement (Sacks)	Feet Left in Well	Number of Centralizers	Conductor/Drive Pipe:	36	30	40	10 yards	40	0	Surface:	24	20	100	265	100	0	<input type="checkbox"/> Attach Form 8A (Surface Hole Additives Report)							Intermediate:	17.5	13.375	644	600	644	7	Production:	12.25	8.625	4056	1000	4056	25	Tubing:		4.5	4006		4006	
Type	Wellbore Diameter	Casing Size	Feet Installed	Amount of Cement (Sacks)	Feet Left in Well	Number of Centralizers																																																	
Conductor/Drive Pipe:	36	30	40	10 yards	40	0																																																	
Surface:	24	20	100	265	100	0																																																	
<input type="checkbox"/> Attach Form 8A (Surface Hole Additives Report)																																																							
Intermediate:	17.5	13.375	644	600	644	7																																																	
Production:	12.25	8.625	4056	1000	4056	25																																																	
Tubing:		4.5	4006		4006																																																		
38. Name of drilling contractor: Whipstock Natural Gas Services, LLC																																																							
39. Type of electrical and/or wireline logs run: Gamma Ray, Caliper, Neutron, Density, Resistivity, CCL, Cement Bond (all logs must be submitted)																																																							
40. Name of logging company: Baker Hughes																																																							
DIVISION USE ONLY Log Submitted: Yes/No FRAC DATA SUBMITTED: Well Class: _____ Confidential: Yes/No Pressure/Rate Graph <input type="checkbox"/> Record <input type="checkbox"/> Invoice <input type="checkbox"/>																																																							

FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or brine; indicate depth or interval	REMARKS
Fresh water Strata				
Glacial Deposits				
Coal Seams				
1st Cow Run				
Buell Run				
2nd Cow Run				
Salt Sand				
Maxton Sand				
Keener Sand				
Big Injun Sand				
Squaw Sand				
Mississippian Shale				
Weir Sand				
Berea Sand				
Bedford Shale				
2 <sup>nd</sup> Berea				
Ohio Shale				
Gantz				
Thirty Foot				
Gordon				
Cinnamon				
Rhinestreet				
Marcellus				
Big Lime	2789	4388		
Sylvania				
Oriskany	3043	3047		
Bass Island	3181			
Salina	3219			
Salt Section	3392	4017		
Newburg				
Lockport	4097			
Little Lime				
Packer Shell				
Stray Clinton				
Red Clinton				
White Clinton				
Medina				
Queenston				
Utica				
Point Pleasant				
Trenton				
Black River				
Gull River				
Glenwood Shale				
Knox Unconformity				
Beekmantown				
Rose Run				
Trempealeau/Copper Ridge				
"B" Zone				
Krysik				
Kerbel				
Conasauga				
Rome				
Mt. Simon				
Granite Wash				
Middle Run				
Granite				

  
(SIGNATURE)

Stephen G. Kilper  
(NAME TYPED OR PRINTED)

I certify that the above information is true and correct, to the best of my knowledge:

3-15-14  
(DATE)

Vice President  
(TITLE)

American Water Management Services, LLC  
(REPRESENTING)