

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

DATE: 8-21-2012
API #: 47-069-00086

Farm name: Thelma Hays OHI 5H Operator Well No.: 833464

RECEIVED

LOCATION: Elevation: 1250 Quadrangle: Bethany

AUG 27 2012

District: Liberty County: Ohio
Latitude: 3510' Feet South of 40 Deg. 10 Min. 00 Sec.
Longitude 5590' Feet West of 80 Deg. 32 Min. 30 Sec.

WV GEOLOGICAL SURVEY
MORGANTOWN, WV

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	20"	104'	104'	174 Cu. Ft.
Agent: Eric Gillespie	13 3/8"	649'	649'	696 Cu. Ft.
Inspector: Bill Hendershot	9 5/8"	2042'	2042'	892 Cu. Ft.
Date Permit Issued: 6-14-2011	5 1/2"	12703'	12703'	2677 Cu. Ft.
Date Well Work Commenced: 12-24-2011				
Date Well Work Completed: 5-18-2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6386'				
Total Measured Depth (ft): 12703'				
Fresh Water Depth (ft.): 200'				
Salt Water Depth (ft.): 800'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 589'				
Void(s) encountered (N/Y) Depth(s) Y 590'				

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

Producing formation Marcellus Pay zone depth (ft) 6,829'-12,571'

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow Not Tested 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

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.

Marlene Williams
Signature

8-24-2012
Date

LATERAL SIDETRACK WELLBORE (no vertical pilot hole associated with this well)**Maximum TVD of wellbore: 6386 ft TVD @ 6802 ft MD**

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SH	0	0	300	300
SS/LS	300	300	589	589
PITTSBURG COAL	589	589	595	595
LS/SH/SS	595	595	790	790
SS	790	790	1510	1510
SH/SS	1510	1510	1620	1620
BIG LIME (LS)	1620	1620	1646	1646
BIG INJUN (SS)	1646	1646	1920	1920
SHALE	1920	1920	6371	6181
GENESECO (SH)	6371	6181	6390	6196
TULLY (LS)	6390	6196	6445	6236
HAMILTON (SH)	6445	6236	6640	6349
MARCELLUS (SH)	6640	6349		
TD OF LATERAL			12651	6206