

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: 6/22/11
API #: 4705101384

Farm name: Zien Operator Well No.: 1H

LOCATION: Elevation: 1300' KB Quadrangle: Majorsville

District: Webster County: Marshall
Latitude: 7323 Feet South of 39 Deg. 55 Min. 00 Sec.
Longitude 11304 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Chief Oil & Gas

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
5960 Sherry Ln - Suite 1500 Dallas, TX 75225	24"	80'	80'	Sanded in
Agent: <u>Chad S. Lovejoy</u>	20"	397'	397'	
Inspector: <u>Bill Hendershot</u>	13 3/8"	1159'	1159'	1192 circ
Date Permit Issued: <u>10/7/10</u>	9 5/8"	2379'	2379'	906 circ
Date Well Work Commenced: <u>11/22/10</u>	5 1/2"	10997'	10997'	2523'
Date Well Work Completed: <u>12/21/10</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6776'</u>				
Total Measured Depth (ft): <u>11301'</u>				
Fresh Water Depth (ft.): <u>98'</u>				
Salt Water Depth (ft.): <u>NA</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>825'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation MRCL Pay zone depth (ft) 7049'
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1573 MCF/d Final open flow NA Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure NA psig (surface pressure) after NA 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.

Michael
Signature Date 6-7-12

02/08/2013

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 MWD

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:

500 shots

Sand 1,856,205 # 100 mesh

Sand 2,823,750 # 40/70 mesh

107,306 Bbl treated FW

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

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>/</u>	<u>Bottom Depth</u>
<u>Surface:</u>			
Shale	0	/	145
Sandstone & Shale - 1" Water 98'	225	/	547
Coal	547	/	550
Sandstone & Shale	550	/	739
Coal	739	/	746
Sandstone & Shale	746	/	828
Coal	828	/	835
Sandstone & Shale	835	/	935
Shale/Red Rock	935	/	1220
Sandstone & Shale - Gas Show 2029'	1220	/	4416
Shale - KOP 6340'	4416	/	6621
Burkett	6621	/	6713
Tully	6713	/	6780
Hamilton	6780	/	7049
Marcellus	7049	/	11301

JUL 18

02/08/2013