

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

(01754F)  
JK

Well Operator's Report of Well Work

Farm name TOM FARLEY Operator Well No Tom Farley #4

LOCATION: Elevation 655.56 Quadrangle WILLIAMSON

District: TUG RIVER County: MINGO  
Latitude: 6849 Feet South of 37 Deg. 42 Min. 30 Sec  
Longitude 1704 Feet West of 82 Deg. 17 Min. 30 Sec

Company: GEOEX INC.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>37 NORTH SUNSET</u>	<u>24"</u>	<u>44'</u>	<u>44'</u>	<u>Drive Pipe</u>
<u>WILLIAMSON WV 25661</u>	<u>20"</u>	<u>73.7</u>	<u>73.7</u>	<u>Drive Pipe</u>
Agent: <u>JOE LYCAN</u>	<u>13 3/8</u>	<u>96.6</u>	<u>96.6</u>	<u>Cem. on 95' and 200' act</u>
Inspector: <u>GARY SCITES</u>	<u>9 5/8</u>	<u>336.8</u>	<u>336.8</u>	<u>147.5 cu ft 125 SKS</u>
Date Permit Issued: <u>1-23-06</u>	<u>7"</u>	<u>1664</u>	<u>1664</u>	<u>36 cu ft 225 SKS</u>
Date Well Work Commenced: <u>3-27-06</u>	<u>4 1/2</u>	<u>3808</u>	<u>3808</u>	<u>177 cu ft 85 SKS</u>
Date Well Work Completed: <u>1-23-06</u>				
Verbal Plugging: <u>NA</u>				
Date Permission granted on: <u>NA</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Depth (feet): <u>3810</u>				
Fresh Water Depth (ft.): <u>120'</u>				
Salt Water Depth (ft.): <u>850</u>				
Is coal being mined in area <input checked="" type="checkbox"/> (Y)?				
Coal Depths (ft.): <u>120-125</u>				

RECEIVED  
Office of Oil & Gas  
AUG 14 2012  
WV Department of Environmental Protection

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 2482-3420  
Gas: Initial open flow 84 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 84/196 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 270 psig (surface pressure) after 24 Hours

BEFORE FRAC  
84 mcf  
AFTER FRAC  
196 m

(AFTER FRAC  
72 HRS 196 mcf/d)

Second producing formation NA 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

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

Signed Joe M Lycan  
By JOE M LYCAN  
Date 2-14-08

2102/11/80  
570 - 875 Sand & shale  
coals at 80, 130, and 185  
570 - 875 Sand  
875 - 1495 Salt sand  
1495 - 1523 shale  
1523 - 1579 Maxon Sand  
1579 - 1762 Little Lime  
1762 - 1972 Big Lime  
1972 - 2525 Borden Shale  
2525 - 2558 Coffee Shale  
2558 - 2615 Berea  
2615 - 3550 Devonian Shale - (Huron members)  
3550 - 3831 Olentangy Shale  
3831 - 3952 Marcellus Shale  
3952 TD

FRAC'D 7-22-2011 @ 1.8 mm scf N<sub>2</sub>@  
100,000 cfm

BDP 1786 PSI

ISIP 1624 PSI

10MIN SIP 1074

OPEN FLOW 72 HRS 260 mcf