

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

DATE: MARCH 16th, 2016
API No: 47-001-00561B
Lease No: 077232

MS

Farm Name: U. S. STEEL Operator Well No. 11385 Disposal

LOCATION: Elevation: 1284.21' Quadrangle: Philippi

District: Pleasant County: Barbour

Latitude: 7,600 Feet South of: 39 Deg. 12 Min. 30 Sec.
Longitude: 7,235 Feet West of: 80 Deg. 00 Min. 00 Sec.

Company: CNX Gas Company LLC

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248 Jane Lew, WV 26378				
Agent: Anthony Kendziora				
Inspector: Bryan Harris				
Date Permit Issued: 06/21/2011		Sec	Previous	WR-35 for
Date Well Work Commenced: 06/21/2011		existing	Casing prog	
Date Well Work Completed: 10/08/2012				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable X Rig				
Total Vertical Depth (feet):				
Total Measured Depth (feet):				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: N				
Coal Depths (ft.): N/A				Arrow Set
Void(s) encountered (N/Y) Depth(s) N	2 3/8"	3647'	3647'	1-x @3,654'

OPEN FLOW DATA 2012/10/08 - Conversion to a Brine Disposal Well. Applied 2198 PSI to the tubing & casing annulus. This pressure was held & recorded for thirty minutes. After thirty minutes the resulting pressure was 2135 PSI.

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

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Office of Oil and Gas

APR 11 2016

WV Department of
Environmental Protection

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.

Signature

Date

WR-35
Rev (5-01)
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WELL: 11385 Disposal

Were core samples taken? Yes ___ No ___ Were cuttings caught during drilling? Yes ___ No ___
Were ___ Electrical ___ Mechanical, ___ or Geophysical logs recorded on this well?

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:

10/8/2012 Conversion to a Brine Disposal Well. Applied 2198 PSI to the tubing & casing annulus.
This pressure was held & recorded for thirty minutes.
After thirty minutes the resulting pressure was 2135 PSI.

04/15/2016



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

Oil & Gas Well
DEPT. OF MINES
Rotary Spudder
Cable Tools
Storage
Oil or Gas Well Gas (KIND)

Quadrangle PHILIPPI
Permit No. BAR-561

WELL RECORD

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Clarksburg, W. Va.</u>	Size			
Farm <u>U.S. Steel Corporation</u> Acres <u>100</u>	<u>20"</u>	<u>20</u>	<u>20</u>	Kind of Packer
Location (waters)	<u>13</u>			
Well No. <u>11385</u> Elev. <u>1295'</u>	<u>11"</u>	<u>25 1/2</u>	<u>25 1/2</u>	Size of
District <u>Pleasant</u> County <u>Barbour</u>	<u>8 3/4</u>	<u>11 3/4</u>	<u>11 3/4</u>	Depth set
The surface of tract is owned in fee by _____ Address _____	<u>6 3/4</u>			
Mineral rights are owned by _____ Address _____	<u>5 3/16</u>			
Drilling commenced <u>10-1-71</u>	<u>4 1/2</u>	<u>3878</u>	<u>3878</u>	
Drilling completed <u>10-15-71</u>	<u>3</u>			Perf. top <u>3733</u>
Date Shot <u>Not shot</u> From _____ To _____	<u>2</u>			Perf. bottom <u>3741</u>
With _____	Liners Used			Perf. top _____
Open Flow <u>/10ths Water in _____ Inch</u>				Perf. bottom _____
<u>/10ths Merc. in _____ Inch</u>				
Volume <u>18,000</u> Natural _____ Cu. Ft.				
Rock Pressure <u>120</u> lbs. <u>1</u> hrs.				
Oil <u>None</u> _____ bbls. 1st 24 hrs.				

Attach copy of cementing record. 20" & 11" to surface
CASING CEMENTED. SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) 8" with 100 bags 1 1/2"/125 bags
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT 35 FEET. 2 1/2 INCHES
_____ FEET. _____ INCHES FEET. _____ INCHES
_____ FEET. _____ INCHES FEET. _____ INCHES
WELL FRACTURED (DETAILS) 11-1-71 with 750 bbl water, 50,000# sand, 500 gal 15% acid, and 2500 HHP
RESULT AFTER TREATMENT (Initial open Flow or bbls.) (289,000 cu ft)
ROCK PRESSURE AFTER TREATMENT 18 HOURS 1420#
Fresh Water 140', 95', 285' Feet _____ Salt Water 1355' Feet _____
Producing Sand Benson Depth 3733-3741

Formation	Color	Hrd or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	35			
Coal			35	37			
Sand & Shale			37	885	Water	140', 95' & 285'	Fresh
Little Lime			885	900			
Sand & Shale			900	930			
Big Lime			930	1040			
Big Injun			1040	1160			
Sand & Shale			1160	1285			
Gantz			1285	1350			
Sand & Shale			1350	1840	Water	1355'	Salt
5th Sand			1840	1935			
Shale & Red Rock			1935	3255			
Riley			3255	3730			
BENSON			3730	3745	Gas	3733-41'	
Total Depth				3884'			

Consolidated Gas Supply Corporation
145 West Main Street
Clarksburg, W. Va.

All measurements taken from F.R. 10' above G.L.

04/15/2016