

WR-35
Rev (8-10)

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

DATE: 10-1-10
API #: 47-099-02247

RECEIVED
Office of Oil & Gas

Farm name: James & Annette Crum Operator Well No.: Myrtle Crum #

LOCATION: Elevation: 773.03' Quadrangle: Prichard

OCT 07 2010

District: Butler County: Wayne
Latitude: 3295 Feet South of 38 Deg. 10 Min. 00 Sec. WV Department of
Longitude 6010 Feet West of 82 Deg. 32 Min. 30 Environmental Protection

Company:

Address: <u>B.T.U. Pipeline, Inc</u>	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
33 6th Street S., Suite 600 St. Petersburg, FL 33701				
Agent: <u>Wayne Anderson</u>	13 3/8"	39'	39'	25sks
Inspector: <u>Gary Scites</u>	9 5/8"	370'	370'	120sks
Date Permit Issued: <u>5/28/2008</u>	7"	1480'	1480'	135sks
Date Well Work Commenced: <u>06/21/2008</u>	4"	-0-		
Date Well Work Completed: <u>8/28/2008</u>				
Verbal Plugging: <u>N/A</u>				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft):				
Total Measured Depth (ft):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>0</u>				
Void(s) encountered (N/Y) Depth(s)				

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

Producing formation Big Six Pay zone depth (ft) 4200'
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

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

10-1-10
Date

Were core samples taken? Yes _____ No _____

Were cuttings caught during drilling? Yes _____ No _____

Were _____ Electrical, _____ Mechanical, _____ or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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:

N/A

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface:

No core sample available at time of completion of WR-35



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Joe Manchin III, Governor
Randy C. Huffman, Cabinet Secretary
www.wvdep.org

May 28, 2008

WELL WORK PERMIT

New Well

This permit, API Well Number: 47-9902247, issued to B.T.U. PIPELINE, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: M CRUM 4
Farm Name: CRUM, JAMES & ANNETTE
API Well Number: 47-9902247
Permit Type: New Well
Date Issued: 05/28/2008

Promoting a healthy environment.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator B.T.U. Pipeline, Inc.

4715	099	Butler	Prichard
Operator ID	County	District	Quadrangle

559

2) Operators Well Number: M. Crum #4

3) Elevation: 773.03'

4) Well Type: (a) Oil _____ or Gas X
 (b) If Gas: Production X / Underground Storage _____
 Deep X / Shallow _____

5) Proposed Target Formation(s): Big Six

6) Proposed Total Depth: 5150' Feet

7) Approximate fresh water strata depths: 190'

8) Approximate salt water depths: 650', 860'

9) Approximate coal seam depths: None ?

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work Drill and Complete a Big Six Gas Well

12) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill-up (Cu. Ft.)
Conductor	13-3/8"	J55	21 lbs.	40'	40'	(CTS)
Fresh Water	9-5/8"	J55	19 lbs.	350'	350'	(CTS)
Coal						
Intermediate	7"	J55	17 lbs.	1,400'	1,400'	50 sacs ^{CTS}
Production	4-1/2"	J55	12 lbs.	5,100'	5,100'	50 sacs
Tubing						<u>H &</u>
Liners						<u>5-21-08</u>

Packers: Kind _____
 Sizes _____
 Depths Set _____

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