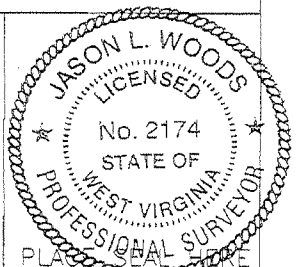


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No. 12-100-009
 DRAWING No. 12-100-009
 SCALE 1"=2000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE PRO XH
 GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) Jason L. Woods 2-23-12
 JASON L. WOODS PS #2174



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

NITRO, WV

DATE FEBRUARY 23 20 12
 OPERATOR'S WELL No. 7479
 API WELL No. 47 075 - 00039

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 3747 WATER SHED MIKES RUN
 DISTRICT GREEN BANK COUNTY POCAHONTAS
 QUADRANGLE SINKS OF GANDY

SURFACE OWNER U.S. DEPT. OF INTERIOR ACREAGE 11,832.51
 OIL & GAS ROYALTY OWNER U.S. DEPT. OF INTERIOR LEASE ACREAGE 46.938
 LEASE No. MMS#890-008534-00

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ACIDIZE

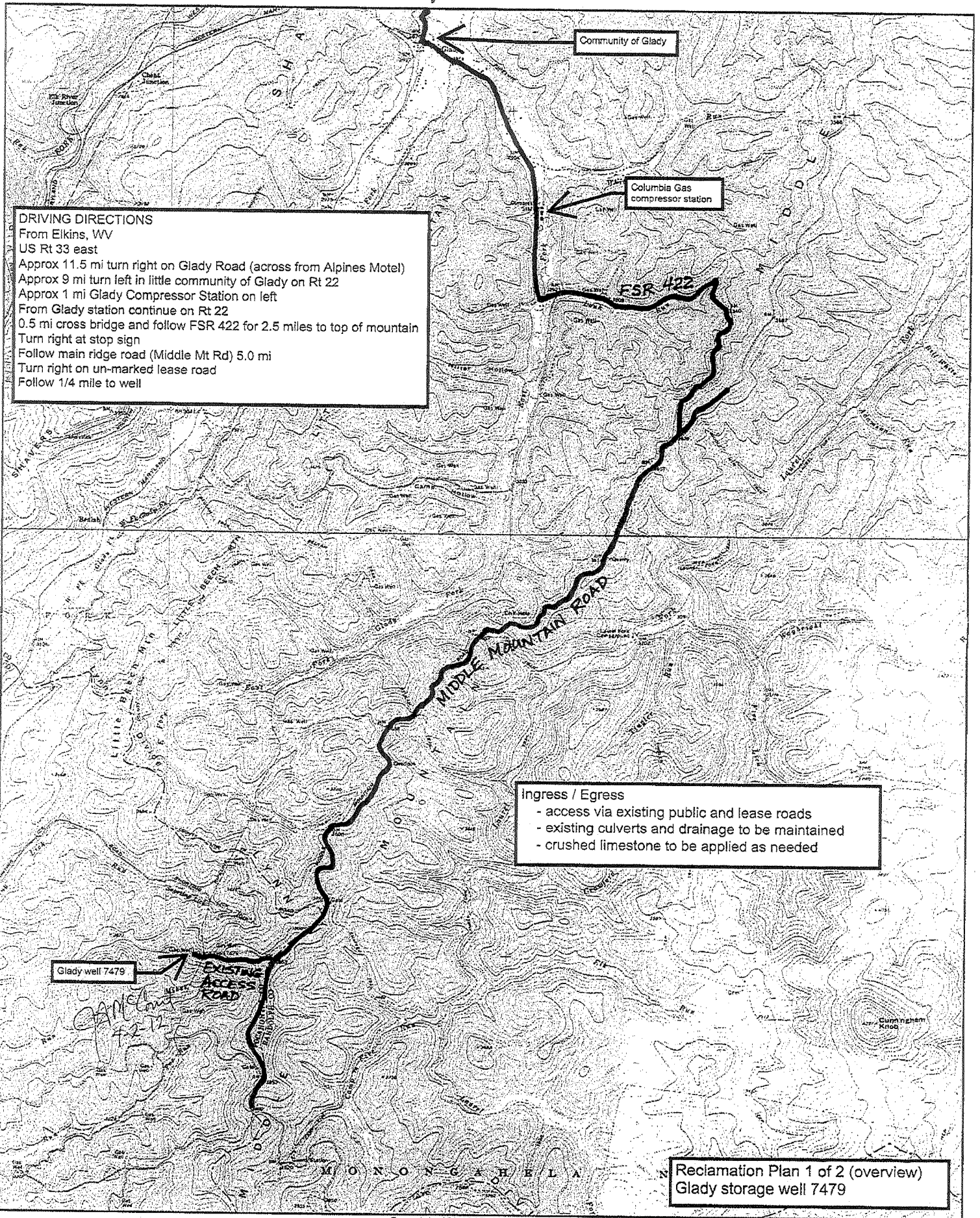
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 6242
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.
25325-1273 25325-1273

05/11/2012

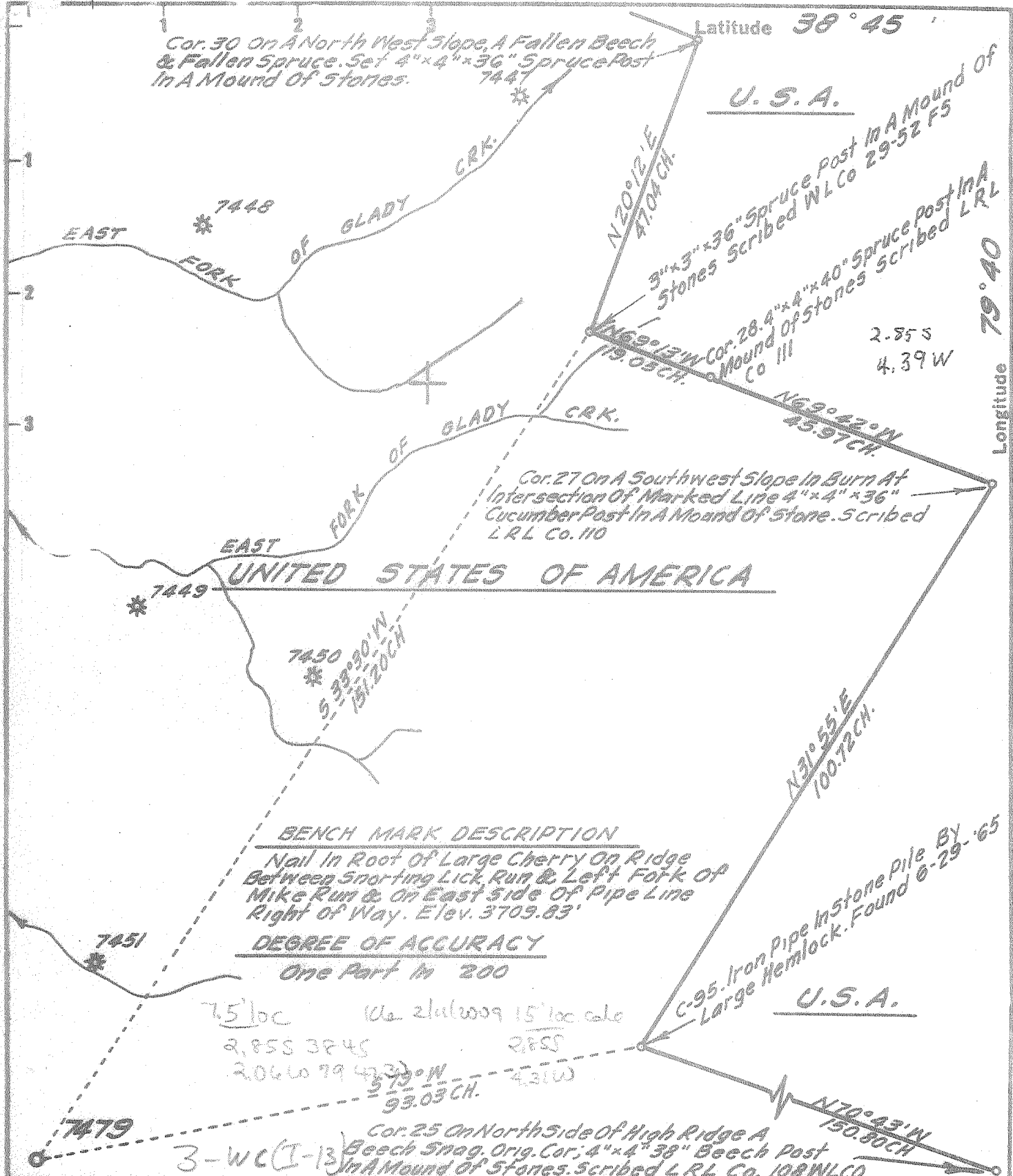
FORM IV-6 (8-78)

GLADY RD
To US Rt 33



Copyright (C) 1997, Maptech, Inc.

05/11/2012



Fracture Before 6/5/27

New Location

Drill Deeper

Redrill

Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION **3709.83'**

Company **ATLANTIC SEABOARD CORP.**

Address **CHARLESTON, W. VA.**

Farm **UNITED STATES OF AMERICA**

Tract **52** Acres **1882** BLM-A 022323 Lease No. 49-700-

Well (Farm) No. _____ Serial No. **7479**

Elevation (Spirit Level) **3731.36'** Sink of Gandy 75' quad

Quadrangle **SPRUCE KNOB - NW**

County **POCAHONTAS** District **GREEN BK.**

Engineer **D. L. Spitzer**

Engineer's Registration No. **2712**

File No. **164-83** Drawing No. _____

Date **APRIL 14, 1966** Scale **1" = 1320'**

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

WELL LOCATION MAP
FILE NO. **LOC 39**

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

9-0 261 Deep Well-Storage



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Spruce Knob

WELL RECORD

Permit No. POC.-39

Oil or Gas Well Gas Storage
(KIND)

Company Atlantic Seaboard Corp.
Address P.O. Box 1273 Charleston, W. Va. 25325
Farm United States of America Acres -
Location (waters) Mikes Run
Well No. X-77-7479 Elev. 3731.36'
District Green Bank County Pocahontas
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by U.S. Geological Survey
Gen. Services Bldg. Address Washington, D.C.
Drilling commenced 6-19-66
Drilling completed 6-30-66
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 75,000,000 - Oriskany Cu. Ft.
Rock Pressure 1640 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8		33' Cemented	
10			Size of _____
8 5/8		1401' Cemented	
6 7/8		6084 "	Depth set _____
5 3/16			Perf. top _____
4 1/2			Perf. bottom _____
3			Perf. top _____
2 3/8		6236'	Perf. bottom _____
Liners Used			

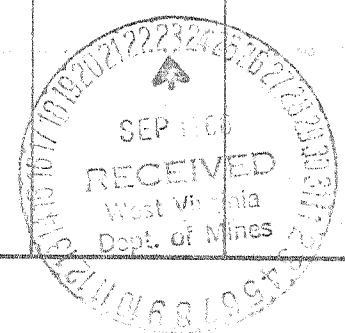
Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water 90 Feet 350 740 Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	33	Water 90'		
Sand & Shale			33	705			
Sand			705	850	Water 350'		
Shale			850	1250			
Sand			1250	1835	Water 740'		
Sand & Shale			1835	2728			
Shale			2728	3250	Gas 6185-6190' and 6195-6200' all gas test 62# spring gauge thru 4" = 27,015 M when drilling completed.		
Sand			3250	3560			
Shale			3560	4545			
Sand & Shale			4545	5164			
Shale			5164	5595	Well killed with 1,000 gallons Dowell D.W. 4 July 2, 1966.		
Tully Lime			5595	5620			
Marcellus Shale			5620	5885			
Onondaga Lime			5885	5927	Acidized 7-5-66 with 10,000 gallons 28% Hcl acid, overflushed with 4,000 gallons water		
Chert			5927	6015	Test after acidized 190# spring gauge 4" 75,000 M		
Needmore Shale			6015	6076			
Oriskany			6076				
Total Depth			6242'				

5885 6076
3731 3731
~~2154 2345~~

Shut in 7-6-66



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: 11/15/12
API #: 47-7500039 W

Farm name: U.S. Dept of the Interior Operator Well No.: 7479

LOCATION: Elevation: 3747 ft Quadrangle: Sinks of Gandy

District: Green Bank County: Pocahontas
Latitude: 15,050 Feet South of 38 Deg. 45 Min. 00 Sec.
Longitude 10,890 Feet West of 79 Deg. 42 Min. 30 Sec.

Company: Columbia Gas Transmission, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1700 MacCorkle Ave SE Charleston, WV 25325-1273	13.625	33	33	15
Agent: Paul Amick	9.625	1401	1401	530
Inspector: Joe McCourt	7	6084	6084	267
Date Permit Issued: 5/4/12	2,375 tbg pulled			
Date Well Work Commenced: 6/1/12				
Date Well Work Completed: 11/9/12				
Verbal Plugging: NA				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft):				
Total Measured Depth (ft): 6242 (when drilled in 1968)				
Fresh Water Depth (ft.): 90, 350, 740 (as rptd by driller)				
Salt Water Depth (ft.): none rptd by driller				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): NA				
Void(s) encountered (N/Y) Depth(s) none rptd				

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NOV 26 2012

WV Department of
Environmental Protection

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

Producing formation Oriskany Pay zone depth (ft) 6185 - 6200

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.

Paul Amick
Signature

11/15/12
Date

11/30/2012

Glady (2011) 9-0

Were core samples taken? Yes _____ No **X**

Were cuttings caught during drilling? Yes _____ No **NA**

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list MicroVertilog (pipe inspection)

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:

Acid Treatment: 8,736 gals HCl acid - 250 bbls fresh water - 196 MSCF nitrogen

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

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			

NA - existing well permitted as workover/stimulation

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