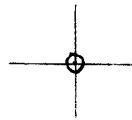


LATITUDE 39° 47' 30"



LONGITUDE 80° 40' 00"

7'5 OGIS topo location

7.5' loc 0.37S ✓ 15' loc \_\_\_\_\_  
                  0.62W (calc.) \_\_\_\_\_

Company \_\_\_\_\_

Farm \_\_\_\_\_

Quad GLEU EASTON 7/2'

County MARSHALL

District MEADE

WELL LOCATION MAP

File No. 051-1593

(023)



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-51-00593P WELL NO.: M-78

FARM NAME: J. W. West

RESPONSIBLE PARTY NAME: \_\_\_\_\_

COUNTY: Marshall DISTRICT: Meade

QUADRANGLE: Glen Easton 7.5"

SURFACE OWNER: Harmon and Mary E. Crow

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4403839.42 m

UTM GPS EASTING: 527674.65 m GPS ELEVATION: 790.36'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – feet.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_  
Real-Time Differential 2.0m

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

[Signature]  
Signature  
Sept 8, 2003  
Date

#2002

Professional Surveyor  
Title

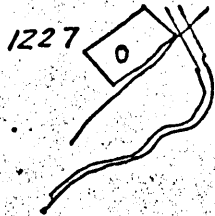
MARS 0593 P

COMPANY COLUMBIA GAS TRANSMISSION CORPORATION MAP NO. Glen Eastor

FARM David Dowdell et al. WELL NO. 601227

DISTRICT Meade COUNTY Marshall STATE WV

SCALE: 1" = 1320' LONG. 80° 40' 41" LAT. 39° 47' 10"



MSH-593

# The Manufacturers Light & Heat Co.

Farmers Bank Building, Pittsburg, Penna.

Wheeling Division

Record of Well No. *1172*

Field *1172*

District *1172*

Farm

County

Acres

State

Rig commenced *1901*

1901

Completed *1901*

1901

Drilling commenced *1901*

1901

Completed *1901*

1901

Cost per foot *1.27*

Contractor *J. J. McLaughlin*

Address *Pittsburg, Pa.*

Drillers names *J. J. McLaughlin & C. N. ...*

**BOILER**

**ENGINE**

**RIG**

No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder

**CONDUCTOR AND CASING USED IN DRILLING**

Conductor	13 inch	10 inch	8 1/2 inch	6 1/2 inch	6 inch	6 inch	6 3/16 inch	6 inch	4 inch
<i>12</i>	<i>150</i>	<i>900</i>	<i>1400</i>	<i>1835</i>					

**CONDUCTOR AND CASING LEFT IN WELL**

Conductor	13 inch	10 inch	8 1/2 inch	6 1/2 inch	6 inch	6 inch	6 3/16 inch	6 inch	4 inch	3 inch
				<i>1835</i>					<i>2470</i>	

**OIL WELL**

**GAS WELL**

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Tanks	Size of Packer	Depth Set	Packed With	1st Minute's Pressure	Rock Pressure
<i>1901</i>	<i>30</i>					<i>6 1/2</i>	<i>2170</i>			

**FORMATION**

**Top Bottom Thickness**

**REMARKS**

<i>Native (brown)</i>	<i>60</i>	<i>62</i>	<i>2</i>
<i>"</i>	<i>175</i>	<i>177</i>	<i>2</i>
<i>Mahoning</i>	<i>320</i>	<i>335</i>	<i>15</i>
<i>Pittsburg</i>	<i>470</i>	<i>470</i>	<i>0</i>
<i>Little Run</i>	<i>795</i>	<i>835</i>	<i>40</i>
<i>Sh. S.</i>	<i>980</i>	<i>1000</i>	<i>20</i>
<i>Sh. Sand</i>	<i>1050</i>	<i>1100</i>	<i>50</i>
<i>Sh. S.</i>	<i>1270</i>	<i>1310</i>	<i>40</i>
<i>Second Salt Sand</i>	<i>1300</i>	<i>1370</i>	<i>70</i>
<i>Sh. S.</i>	<i>1400</i>	<i>1500</i>	<i>100</i>
<i>Sh. S.</i>	<i>1500</i>	<i>1570</i>	<i>70</i>
<i>Sh. S.</i>	<i>1550</i>	<i>1600</i>	<i>50</i>
<i>Sh. S.</i>	<i>1600</i>	<i>1835</i>	<i>235</i>
<i>Sh. S.</i>	<i>2270</i>	<i>2270</i>	<i>0</i>
<i>Sh. S.</i>	<i>2270</i>	<i>2270</i>	<i>0</i>
<i>Sh. S.</i>	<i>2270</i>	<i>2270</i>	<i>0</i>

*did not refer to well*

*M.S.H.*

*Nov 3, 1914*  
*Free drilled deeper to*

*2521'*

*Well retubed*  
*for 18-1914 - with 2" tubing*  
*packed with ...*  
*384' from bottom of well.*  
*Pressure.*