

## State of West Virginia Division of Environmental Protection Section of Oil & Gas

| 1800 - 1800 - A. | L. WARRENCE MAN |
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## Well Operator's Report of Well Work

| vveil Operator's Report of vveil vvoik   |   |                         |   |                     |  |                    |               |
|--|---|-------------------------|---|---------------------|--|--------------------|---------------|
| Farm name: U.S. Steel Mining Company, LLC Operator Well No: 8LM-0.5R   |   |                         |   |                     |  |                    |               |
| Location: Eleva  | ation: 2081.17                                      |                         | Quadr   | rangle: Pl          | NEVILLE                                    | •                  |               |
| Distri   | ct: CENTER  |                         | Count   | y: W                | YOMING                                     |                    |               |
|  | Latitude:<br>Longitude:                             | 14,800 Feet<br>200 Feet | eet South of 37 Deg. 35 Min. 00 Sec. eet West of 81 Deg. 32 Min. 30 Sec. Cilia of 018 Gas |                     |  |                    |               |
|  | Gas, LLC<br>BELTLINE ROAD, SU<br>AS, TX 75240-0000  | TLINE ROAD, SUITE 280   |   |                     |  | Pent               | 6 <b>2000</b> |
| Agent: JOSEPH A. ZUPANICK  |   |                         |   |                     | vvv Division of<br>ভাষাতাননহাtal Protectio |                    |               |
| Well Work comn   | 10/06/99<br>nenced: 10/20/99                        | <u> </u>                | Casing<br>& Tubing<br>Size  | Used in<br>Drilling | Left in<br>Well                            | Cement<br>Fill up  |               |
| Verbal plugging  | leted: 11/20/99                                     |                         | 13%"  | 35'                 | 35'  | 9 Ft <sup>3</sup>  |               |
| Permission gran  | Cable Rig   | <del></del>             | 95/8"   | 230'                | 230'                                       | 72 Ft <sup>3</sup> |               |
| Total depth (ft) _<br>Fresh water dep  | ths (ft) N/A  |                         | 7"  | 1138.65'            | 1138.65'                                   | 171 Ft³            |               |
| Salt water depth<br>Is coal being mir  | s (ft) <u>N/A</u><br>ned in the area (Y/N)?<br>1140 | <u>Y</u>                | 27/a"   | 1182                |  |                    |               |
| OPEN FLOW DATA  Producting formation Pocahontas No. 3 Seam and Penn Coals Initial open flow N/A Mcf/d Oil: Initial open flow Bbl/d Final open flow Detween initial and final tests: hours Static rock pressure psig (surface pressure) after hours  Second Producing formation Pay zone depth (ft) Second Pay zone depth (ft) Second Producing formation Pay zone depth (ft) Second Pay z |   |                         |   |                     |  |                    |               |
|  |   |                         | For:  | CDX Gas             | 7LC  |                    | <del></del> i |

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Ву:

Date:

Operator: 8LM-0.5R API No. 47- 109-01848 C Location: Pineville

## Details of Perforated Intervals, Fracturing or Stimulation, Physical Change, Etc.

## Well Log & Geologic Record

| Formation            | Тор         | Battam   |  |
|----------------------|-------------|----------|--|
| Sandy Shale          | 0           | Bottom   |  |
| Shale                | 53          | 53       |  |
| Sandy Shale          | 99          | 99       |  |
| Shale                | 113         | 113      |  |
| Sandy Shale          |             | 214      |  |
| Shale Shale          | 214         | 280      |  |
| Sandy Shale          | 320         | 320      |  |
| Shale                |             | 407      |  |
|                      | 407         | 441      |  |
| Sandy Shale<br>Shale | 441         | 483      |  |
|                      | 483         | 497      |  |
| Sandy Shale<br>Shale | 497         | 713.5    |  |
|                      | 713.5       | 733.5    |  |
| Sandy Shale          | 733.5       | 775.5    |  |
| Sandstone            | 775.5       | 786      |  |
| Sandy Shale          | 786         | 828      |  |
| Sandstone            | 828         | 838      |  |
| Sandy Shale          | 838         | 907      |  |
| Sandstone            | 907         | 1019     |  |
| Sandy Shale          | 1019        | 1031     |  |
| Sandstone            | 1031        | 1035     |  |
| Sandy Shale          | 1035        | 1052     |  |
| Sandstone            | 1052        | 1069     |  |
| Sandy Shale          | 1069        | 069 1140 |  |
| Coal                 | 1140        | 1144     |  |
| Sandy Shale          | 1144        | 1186.5   |  |
| Coal                 | 1186.5      | 1192     |  |
| Sandy Shale          | 1192        | 1243.10  |  |
|                      |             |          |  |
|                      |             |          |  |
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