

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

| Reviewed AC | | |
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| Reviewed | ·- • | , ruman agen |

| Well Operator's Rep | oort of Well Work | `_`. | and the second s | | |
|--|---|----------------------------|--|---------------------|--|
| Farm name: U.S. Steel Mining Company, LLC Operator Well No: 8M-4a | | | | | |
| Location: Elevation: 1917.21 | Quadrangle: P | INEVILLE | | | |
| District: CENTER | County: V | VYOMING | | | |
| Latitude: <u>14750</u> Feet Longitude: <u>9650</u> Feet | South of 37 Deg. 35 M West of 81 Deg. 32 M | in. 00 Sec. in. 30 Sec. | | | |
| Company: CDX Gas, LLC 5485 BELTLINE ROAD, SUITE 280 DALLAS, TX 75240-0000 | | | 0 4 0 5 1 0000 0 0 Possio | i û Gas ∆g | |
| Agent: JOSEPH A. ZUPANICK | | | NOV 06 | | |
| Inspector: OFIE HELMICK Permit Issued: 04/03/00 Well Work commenced: 05/10/00 | Casing Used in & Tubing Size | Left in Well | Fill up | en of Protection | |
| Well Work completed: 06/10/00 Verbal plugging | 95/8" 35' | 35' | 11 Ft ³ | | |
| Permission granted on: Rotaryx Cable Rig Total depth (ft)977.45 | 7" 908' | 908' | 136 Ft ³ | | |
| Fresh water depths (ft) N/A Salt water depths (ft) N/A Is coal being mined in the area (Y/N)? Y | 27/a" 369' | | | | |
| Coal depths (ft): 26, 653 OPEN FLOW DATA | | Į. | | | |
| Producting formation Pocahontas No. 3 Seam and Penn Coals Gas: Initial open flow N/A Mcf/d Final open flow N/A Mcf/d Time of open flow between initial and final tests: Static rock pressure psig (surface pressure) after hours | | | | | |
| Second Producing formation Pay zone depth (ft) Gas: Initial open flow N/A Mcf/d Oil: Initial open flow Bbl/d Final open flow N/A 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 | | | | | |
| Note: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATICK DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE. | | | | | |
| | For: CDX Gas | nLLC | | | |

Ву:

Date:

Operator: 8M-4a API No. 47-109-01922 C Location: Pineville

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

Well Log & Geologic Record

| Formation | Ton | Datte- |
|--|----------|-------------|
| Sandstone | Top 0 | Bottom 23 |
| Shale | 23 | 26 |
| Coal | 26 | |
| Shale | 28.5 | 28.5 |
| Sandstone | 33 | 33 113 |
| Sandy Shale | 113 | |
| Shale Shale | | 127 |
| Sandstone | 127 | 143 |
| —————————————————————————————————————— | 143 | 198 |
| Sandy Shale | 198 | 293 |
| Sandstone | 293 | 330 |
| Sandy Shale | 330 | 361 |
| Shale | 361 | 387 |
| Sandstone | 387 | 390 |
| Sandy Shale | 390 | 401 |
| Sandstone | 401 | 512 |
| Shale | 512 | 533 |
| Sandstone | 533 | 651 |
| Shale | 651 | 653 |
| Coal | 653 | 654 |
| Shale | 654 | 669 |
| Sandstone | 669 | 728 |
| Shale | 728 | 746 |
| Sandstone | 746 | 750 |
| Shale | 750 | 863 |
| Sandstone | 863 | 907 |
| Shale | 907 | 913 |
| Sandstone | 913 | 977.45 |
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