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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT

**INSPECTION REPORT
ROUTINE**


| | |
|-------------------------|-------------------------------------|
| DEP USE ONLY | Inspection Record No. 3168492 |
| Complaint Record No. | Enforcement Record No. |

| | | | | |
|---------------------|-------------------------------------|-------------------|------------------------|-----------------------|
| DEP Office | Southwest Oil & Gas District Office | Telephone No. | Permit or Reg. No. | 37-003-00960 |
| Address | 400 Waterfront Drive | Fax No. | Project No. | Well Pad: NO WELL PAD |
| | Pittsburgh, PA 15222-4745 | | Farm Name and Well No. | NIXON 501-1 |
| Operator Name | ECONOMY NATURAL GAS INC | | County | Allegheny |
| Address | PO BOX 23 | | Municipality | Scott Township |
| | SPRING CHURCH, PA 15686-0023 | | Latitude (DD) | 40.38303 |
| Telephone No. | | OGO No. OGO-36618 | Client ID No.: 117638 | Longitude (DD) |
| Drilling Rig / Type | | Facility | | -80.07275 |

Other Permit Expired Alt/Meth. Annulus Open Conductor Only Spud Date: 01-01-1800 Coal Non-Coal

| Category | Subcategory | Inspection Remarks / Violations / Violation Remarks | I | R | V |
|----------|---|---|-------------------------------------|--------------------------|-------------------------------------|
| Well | Notification / Reporting - MIA, Reporting | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Continuing: Yes | Violation: 78.121(A) - WELL REPORTING – PRODUCTION REPORTING – Conventional operator failed to submit annual conventional production and status report for permitted or registered well. Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: Yes | Violation: 78.91(a) - PLUGGING - GENERAL PROVISIONS - Upon abandoning a well, the owner or operator failed to plug the well to stop the vertical flow of fluids or gas within the well bore under 25 Pa. Code §§ 78.92–78.98 or an approved alternate method. Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: No | Violation: 78.73(a) - GENERAL PROVISION FOR WELL CONSTRUCTION AND OPERATION - Operator failed to construct and operate the well in accordance with 25 Pa. Code Chapter 78 and ensure that the integrity of the well is maintained and health, safety, environment and property are protected. Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: No | Violation: 78.74 - VENTING OF GAS - Operator vented gas to the atmosphere that produced a hazard to the public health and safety. Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: No | Violation: 78.88(d) - OPERATING WELLS - MECHANICAL INTEGRITY OF OPERATING WELLS - Operator failed to immediately notify the Department and take corrective actions to repair or replace defective equipment or casing for wells exhibiting progressive corrosion, rusting or other signs of equipment deterioration that compromise the integrity of the well. Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: No | Violation: 78.88(e) - OPERATING WELLS - MECHANICAL INTEGRITY OF OPERATING WELLS - Operator failed to submit an annual report to the Department identifying the compliance status of each well with the mechanical integrity requirements for structurally sound wells in compliance with 25 Pa. Code Section 78.73(c). Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: No | Violation: OGA3220(A) - PLUGGING REQUIREMENTS - Failure to plug the well upon abandoning it. Violations Date: 07-29-2020 Violation Remarks: | | | |
| | Continuing: Yes | Violation: 78.73(a) - GENERAL PROVISION FOR WELL CONSTRUCTION AND OPERATION - Operator failed to construct and operate the well in accordance with 25 Pa. Code Chapter 78 and ensure that the integrity of the well is maintained and health, safety, environment and property are protected. Violations Date: 03-17-2021 Violation Remarks: | | | |
| | Continuing: Yes | Violation: | | | |

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|---|--|---|------------------------------|
| Well Status: | Well Production Type: | Well Type: | Depth: ft |
| Flowback <input type="checkbox"/> Yes <input type="checkbox"/> No | | Stressed Vegetation <input type="checkbox"/> Yes <input type="checkbox"/> No | Wells on Location: |
| Separators <input type="checkbox"/> Yes <input type="checkbox"/> No | | Oil Staining <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Casing | Size | Press (psi) | Volume (cu ft/d) |
| Cellar Observation | | | Length (ft) |
| Water <input type="checkbox"/> Yes <input type="checkbox"/> No | Below Grade: ft | | SIPT |
| Gravel <input type="checkbox"/> Yes <input type="checkbox"/> No | Below Grade: ft | | Additional Comments |
| Bubbling <input type="checkbox"/> Yes <input type="checkbox"/> No | Rate: | | Equipment on Location |
| Combustible Gas Detected <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> unchecked | Date Calibrated: | | Driers: |
| Gas Concentration | Method Used: | | Pumpjacks: |
| % LEL % Gas | | | Separators: |
| H2S Detected <input type="checkbox"/> Yes <input type="checkbox"/> No | | ppm | Drips: |
| Photos Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Additional Documents <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | WQS follow up <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Corrosion: |
| | | Inspection Results | Leaking: |
| Remarks: No work has been done by operator to well/wellsite. Wellhead has significant leaks from surface casing at ground level, production casing at corroded areas and minor leak at cracked valve topping wellhead. Sunny, calm to light breeze, 47degrees. | | | |
| WELL IS GURGLING LOUDLY FROM INSIDE THE SURFACE CASING. ALSO A MILD ODOR OF GAS. | | | |
| Bascom Turner readings: 22% GAS from hole in surface casing. | | | |
| On Site Representative | | DEP Representative | |
| (signature) | |  | |
| (print name) | | MARK BARNES - OIL AND GAS INSPECTOR | |
| Date: 03-17-2021 | | Time Arrived: 10:35 AM | Time Departed: 10:58 AM |

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| Inspector Names |
| HARRY WISE |

| Notice of Violation(s) | |
|------------------------|---|
| Citation | Description of Violation |
| 25 Pa. Code § 78.88(d) | 78.88(d) OPERATING WELLS - MECHANICAL INTEGRITY OF OPERATING WELLS - Operator failed to immediately notify the Department and take corrective actions to repair or replace defective equipment or casing for wells exhibiting progressive corrosion, rusting or other signs of equipment deterioration that compromise the integrity of the well. |

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| 25 Pa. Code § 78.88(e) | 78.88(e) OPERATING WELLS - MECHANICAL INTEGRITY OF OPERATING WELLS - Operator failed to submit an annual report to the Department identifying the compliance status of each well with the mechanical integrity requirements for structurally sound wells in compliance with 25 Pa. Code Section 78.73(c). |
| 25 Pa. Code § 78.91(a) | 78.91(a) PLUGGING - GENERAL PROVISIONS - Upon abandoning a well, the owner or operator failed to plug the well to stop the vertical flow of fluids or gas within the well bore under 25 Pa. Code §§ 78.92—78.98 or an approved alternate method. |
| 25 Pa. Code § 78.121(a) | 78.121(A) WELL REPORTING – PRODUCTION REPORTING – Conventional operator failed to submit annual conventional production and status report for permitted or registered well. |
| 25 Pa. Code § 78.73(a) | 78.73(a) GENERAL PROVISION FOR WELL CONSTRUCTION AND OPERATION - Operator failed to construct and operate the well in accordance with 25 Pa. Code Chapter 78 and ensure that the integrity of the well is maintained and health, safety, environment and property are protected. |
| 25 Pa. Code § 78.74 | 78.74 VENTING OF GAS - Operator vented gas to the atmosphere that produced a hazard to the public health and safety. |
| 58 Pa. C.S. § 3220(a) | OGA3220(A) PLUGGING REQUIREMENTS - Failure to plug the well upon abandoning it. |
| <p>Note: This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.</p> | |
| <p>58 Pa.C.S. § = Act 13(OGA) • 25 Pa.Code § • 35 P.S. § 6018. = Solid Waste Management Act • 35 P.S. § 691. = Clean Streams Law</p> | |

| Instructions Response | |
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| <input checked="" type="checkbox"/> | You are requested to respond as indicated below by 04/12/2021. If applicable, please include the description of activities you will pursue to achieve compliance with the statutes or regulations cited above. Address your reply to the DEP representative named below. |
| <input type="checkbox"/> | No further response required at this time |
| <input checked="" type="checkbox"/> | Written response requested |
| <input checked="" type="checkbox"/> | Add what you will do to correct the situation and achieve compliance? |
| <input checked="" type="checkbox"/> | Include explanation of cause of violations |
| <input checked="" type="checkbox"/> | Include the schedule or anticipated time frame for compliance activities you intend to carry out |

Inspection Images

Image_1617049283699.png



Maximum gas reading from hole in casing: 22 % GAS.

Image_1617049284327.png



Lat: 40.383050000000004, Long: -80.07278333 03/17/2021 10:56:53 AM