

**INSPECTION REPORT ROUTINE  
 INSPECTION**
**DEP USE  
 ONLY**

 Complaint Record  
 No.  
 361961

 Inspection Record  
 No.  
 3317794

 Enforcement Record  
 No.

DEP Office	Southwest Oil & Gas District Office		Telephone No.: (412) 442-4024	Permit or Reg. No.:	37-003-00960		
Address	400 Waterfront Drive		Fax No.: ----	Project No.: ----	WellPad: ----		
	Pittsburgh, PA 15222-4745			Farm Name and Well No.:	NIXON 501-1		
Operator Name	ECONOMY NATURAL GAS INC			County	Allegheny		
Address	PO BOX 23 SPRING CHURCH, PA 15686-0023			Municipality	Scott Township		
	----			Latitude (DD)	40.383028		
OGO No.	OGO-36618	Client ID No.	117638	Longitude (DD)	-80.072750		
Drilling Rig / Type	----						
Facility Type	----	Producing Formation	----				
Complaint Latitude	40.383028		Complaint Longitude	-80.07275			
Other	<input type="checkbox"/> Permit Expired	<input type="checkbox"/> Alt / Meth	<input type="checkbox"/> Annulus Open	<input type="checkbox"/> Conductor Only	Spud Date: 1800-01-01	<input type="checkbox"/> Coal	<input checked="" type="checkbox"/> Non-Coal

Remarks / Violations						
Category	Sub-Category	Inspection Remarks / Violations / Violation Remarks	I	R	V	
Location	1: Posting	<b>Inspection Remark:</b> Well is not posted in accordance with regulations.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	1: Well Label / Marker	<b>Inspection Remark:</b> Well has metal tag affixed to well with permit number.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Well	1: Casing / Cement Surface	<b>Inspection Remark:</b> 10 1/2" casing is heavily pitted and has several holes which are actively venting gas to the atmosphere.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	1: Other Gas Leak	<b>Inspection Remark:</b> Gas is leaking to the atmosphere from several holes in the 10 1/2" casing.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Waste Management						
Other						

**WELL INFORMATION**

<b>Well Status:</b>	<b>Well Production Status:</b>	<b>Well Type:</b>	<b>Depth: ft.</b>
<b>Flowback:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Stressed Vegetation:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Wells on Location:</b>	
<b>Separators:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Oil Staining:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		

Casing	Size	Press (psi)	Volumn (cu ft/d)	Length (ft)	SIPT
1	10 1/2" X ----	----	----	----	<input type="checkbox"/>
<b>Gas Detected:</b> Yes	<b>Gas Concentration:</b> ----% LEL, 83.00% GAS	<b>Method Used:</b> Bascom Turner Gas Explorer EGA-411		<b>Date Calibrated:</b> 01/04/2022	
<b>Additional Comments:</b> Gas leaking from holes in casing					

**Cellar Observation**

Water <input type="checkbox"/> Yes <input type="checkbox"/> No	Below Grade:	Combustible Gas Detected <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unable to check for gas	
Gravel <input type="checkbox"/> Yes <input type="checkbox"/> No	Below Grade:	Gas Concentration: % LEL, % GAS	
Bubbling <input type="checkbox"/> Yes <input type="checkbox"/> No	Rate:	Method Used:	Date Calibrated:

**EQUIPMENT ON LOCATION**

Equipment on Location		Tanks: [ ]	
Dryers:	Drips:	Brine/Oil:	Fresh Water:
Pumpjacks:	Meters:	Flowback:	Consolidation:
Separators:	Containment:	Propane:	Poly Vent:
Compressors:		Production:	

**RTN Other Data**

H2S Detected <input type="checkbox"/> Yes <input type="checkbox"/> No ppm	Corrosion:	Leaking:
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Photos Attached	Additional Documents	WQS follow up	Inspection Results
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ICS - In Compliance with Schedule

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**Remarks:**

On 2/1/2022 the Department was on-site the Nixon 501-1 (003-00960) in response to a complaint of leaking gas (Complaint ID 361961). Allegheny 911 received a complaint of a leaking gas well near the intersection of Swallow Hill, Scrubgrass and Raven Roads. At time of inspection a heavy odor of hydrocarbons was present at the well site and detectable from the road. This is a recurring complaint for this well and others in this area. As in previous inspections this well is flowing gas from holes in the 10 1/2" surface casing. In addition to the heavy odor of hydrocarbons, there was a constant "hissing" sound of gas flowing from the casing. Gas concentrations at the well were measured with a Bascom-Turner gas detector. Gas concentration were strongest at the hole in casing and declined with distance from the well (83% peak gas at the hole in casing, 5-50% gas within 2' of the well, 41% LEL ~6 feet from well and 5060 ppm gas ~10 feet from the well). Weather at time of inspection was 37 degrees, sunny and breezy. Department is working with operator to address these recurring complaints.

**On Site Representative**
**DEP Representative**

(signature)

  
 (signature)

(print name)

 JONATHAN SHUB, OIL GAS INSP  
 (print name)

**Date:** 02/01/2022

**Time Arrived:** 11:40 AM

**Time Departed:** 02:30 PM

**INSPECTION IMAGES**



Lat: 40.38292, Long: -80.07266 02/01/2022 12:30:20 PM

**#: 1**

Nixon 501-1 (00-00960).



Lat: 40.38303, Long: -80.07284 02/01/2022 12:03:14 PM

**#: 2**

View of Scrubgrass Road from well.





**#: 3**

Well is highly corroded, pitted and has several holes in the 10 1/2" casing.



**#: 4**

Hole in 10 1/2" casing below collar.



#: 5

Pitting and hole in 10 1/2" casing near and below grade.



#: 6

Pressure gauge showing ~45 psi on well (shut-off handle appears to be in closed position perpendicular to flow line).