

## GAS WELL INSPECTION REPORT

**Pad Site/Gas Well:** HILLIARD (GW-10-2142)

**X = compliance, \* = deficiency noted**

**Operator:** Sage Natural Resources

Inspection Date	Signage	Perimeter Condition	Screening & Landscaping	Surface Equipment	Notes	Remarks
	*	*	*	*	Inspection voided by JLUX.	VOIDED (JLUX 8/28/2019)
4/26/2013	X	X	X	X	(JPOW) ENGINE NOT OPERATING.	
6/13/2013	X	X	X	X		
7/30/2013	*	X	X	X	(BBAM) THE SIGN ON THE EMERGENCY ACCESS ROAD NEEDS TO BE UPDATED WITH ATLAS CONTACT INFORMATION. THERE IS STILL A TITAN SIGN.	
8/26/2013	*	X	X	X	(BBAM) THE SIGN ON THE EMERGENCY ACCESS ROAD NEEDS TO BE UPDATED WITH ATLAS CONTACT INFORMATION. THERE IS STILL A TITAN SIGN. SECOND VIOLATION.	
9/30/2013	X	X	X	X	(JLUX) water hauler onsite	
10/28/2013	X	X	X	X	(JLUX) USA compression crew on site working on compressor. site secured	
12/2/2013	X	X	X	X	(JLUX) USA Compressoin crew onsite working on compressor.	
1/2/2014	X	X	X	X		
2/4/2014	X	X	X	X		
2/28/2014	X	X	X	X		
3/28/2014	X	X	X	X		
4/29/2014	X	X	X	X	(JLUX) Lawn service company was onsite mowing the grass around the pad site and treating the weeds inside.	
5/29/2014	X	X	X	X		

6/24/2014	X	*	X	X	(JLUX) air monitoring was at normal operating levels. noise was in compliance. Air monitoring inspections were conducted on the 24th. leaks were found at the wellheads and separators.
7/15/2014	X	X	X	X	(JLUX) re-inspection was done on 7-15.
8/25/2014	X	X	X	X	
9/25/2014	X	X	X	X	(jlux) A leak was found on a dump valve next to the dehy. Contacted the operator to come fix the leak. Leak was fixed the same day. The dump valve was open and pumper Casey went over and pressed the valve down and it closed. No other issues were found.
11/25/2014	*	*	*	*	(jlux) The two mallard boxes at the separators were leaking from the snap valves. The readings were above 1% on both. Contacted pumper Tyler and informed him of the leaks. He will send someone out to fix the leaks at the mallard boxes today. No other issues during inspection.
12/16/2014	*	*	*	*	(JLUX) air monitoring inspection were conducted by Modern Geosciences.
12/22/2014	X	X	X	X	
1/8/2015	X	X	*	*	(JLUX) leak was found at line regulator connecting the pneumatic lines to the methanol container. contacted Tyler about leak and he is going to fix it. the fence has some damage from the cows.
2/26/2015	X	X	X	X	(JLUX) USA compressor company men were doing a PM on the compressor today. Also, tyler was onsite checking on the wells and seperators. No leaks were found during the inspection.
3/24/2015	X	X	X	*	(JLUX) The mallard box on separator 2h gets stuck open and wont seal properly. Also, the kimray valve between the containment area and compressor building has residue build up. the operator was notified by phone and pictures.

4/22/2015	X	X	X	X	(JLUX) Conducted an orientation meeting with Atlas Energy, Atmos Energy, Police, Fire, and Town employees. We went over the emergency response plans and all the equipment onsite. During the meeting matt and i noticed that the wind sock was missing, lightening arrestors were not installed on the tanks, the frac tank didnt have a containment area around it. The tanks could be gone soon. they need to place a grounding rod next to the tanks so the trucks dont have to use the signs. The landscaping around the site will need to be screened more from the public. Atlas is aware of the issues and is working on them now.
5/22/2015	X	X	X	X	(JLUX) the lightning arrestors and grounding rods were installed. new wind sock. frac tank removed.
6/18/2015	X	X	X	X	(JLUX) Air monitoring inspections were conducted today with Modern Geosciences. the leaks were found at the mallard box at north separator and one relief valve located on the ground. Atlas foreman came on location during the inspection and fixed all the leaks. A new lock was placed on the pad entrance gate. Water truck was on site to pump out the water in the containment area. Atmos Energy sales line has a few leaks around the valves. Atmos will be contacted about issues.
6/29/2015	*	*	*	*	(JLUX) reinspection leaks are fixed.
7/30/2015	X	X	X	X	(JLUX) The compressor went down today. Atmos contacted the operator (Atlas Energy) about the dew point being too high. The production supervisor was waiting on the compressor crew to get there and fix the problem. No leaks found.
8/17/2015	X	X	X	X	(JLUX) landscape meeting with Atlas Energy at 2pm. Jimmy, Haburn, and I went over the landscape plan with Atlas management. No leaks were detected during inspection.
9/24/2015	X	X	X	X	
10/9/2015	X	X	X	X	(JLUX) no leaks found.

10/30/2015	*	*	*	*		
11/13/2015	X	X	X	X	(JLUX) The wax myrtles were planted around the pad site. The irrigation work for the shrubs will start next week. No leaks found during inspection.	
11/25/2015	*	*	*	*	(JLUX) They finished installing the irrigation system today. The backflow test will be scheduled next week.	
12/17/2015	*	*	*	*	(JLUX) Air monitoring inspections with Modern Geosciences today. Leaks were found at the separators and piping. Operator was notified of issues.	
1/13/2016	X	X	X	X	(JLUX) re-inspection done. no violations.	
1/27/2016	*	*	*	*	(JLUX) USA compressor truck onsite. Crew was working on the catalyst and checking emissions. Everything was working properly. No issues onsite.	
2/19/2016	X	X	X	X		
3/21/2016	X	X	X	X		
4/14/2016	X	X	X	X		
4/26/2016	X	X	X	X	(JLUX) I conducted an inspection onsite. no leaks found. Befor my inspection, I drove up on the TCEQ inspector as she finished her onsite air monitoring inspection. She didnt find any leaks with the FLIR camera or any other issues. She will send me an inspection report when its done.	
5/10/2016	*	*	*	*		
5/25/2016	*	*	*	*	(JLUX) NO ISSUES. PUMPER WAS ONSITE CHECKING THE WELLS.	
6/22/2016	*	*	*	*	(JLUX) air monitoring inspections conducted by Modern Geosciences and I today. Leaks were found at the separators regulators and mallard boxes. NORM at Tanks. Operator was notified of issues.	
7/21/2016	*	*	*	*	(JLUX) reinspection done.	

8/22/2016	*	*	*	*	
9/28/2016	*	*	*	*	(JLUX) took noise reading at entrance gate.
9/29/2016	*	*	*	*	(JLUX) conducted inspection. took noise reading (eastside) (westside).
10/31/2016	*	*	*	*	(JLUX) took noise reading at gate. conducted inspection and found no leaks.
11/21/2016	*	*	*	*	(JLUX) conducted inspection. leak found at the dehy regulator. called Mike (operator) and he is getting someone out today to fix the leak.
12/12/2016	X	X	X	*	(JLUX) Air Monitoring inspection was conducted by Modern Geosciences. Leaks were found at separators and dehydration unit. the operator was notified of leaks. Wednesday the compressor is getting pm done on it and dehy unit leaks will be fixed also.
12/15/2016	*	*	*	*	(JLUX) operator has fixed the leaks on site.
12/20/2016	*	*	*	*	(JLUX) reinspection done. no leaks
1/5/2017	*	*	*	*	(JLUX) noise complaint received from a resident on sherri lane at 8:30 am this morning. the operator was notified of noise complaint and will send someone out to take a look at the compressor. I went to the residence to take the noise reading at the property line closest to the gas well site. I took the reading for 15 minutes. the reading came back at 58 dBa. The compressor is in compliance with the noise management plan for the Hilliard site. I will contact the resident and operator to let them know what the reading was. conducted inspection onsite with pumper. no issues.
1/24/2017	*	*	*	*	(JLUX) no issues.

2/24/2017	*	*	*	*	(JLUX) conducted monthly inspection. leak found at well head north 1H. operator was notified of leak. compressor crew was out working on compressor.	
2/27/2017	*	*	*	*	(JLUX) leak was fixed by operator	
3/8/2017	*	*	*	*		
4/18/2017	*	*	*	*	(JLUX) no issues.	
5/16/2017	*	*	*	*	(JLUX) no issues.	
6/23/2017	*	*	*	*	(JLUX) compressor crew was working on the dehydration unit. It was down due to the hot weather. the compressor was down also. no leaks found.	
6/27/2017	*	*	*	*	(JLUX) air monitoring inspection today with Modern Geosciences. leaks were found on site. Notified operator.	
7/31/2017	*	*	*	*	(JLUX) inspection/re-inspection completed. No leaks found on site.	
8/11/2017	*	*	*	*	(JLUX) no issues.	
8/28/2017	*	*	*	*	(JLUX) water truck on site.	
9/12/2017	*	*	*	*	(JLUX) one section of pipe inside the containment area needs to be replaced due to corrosion. contacted the operator about issue.	
10/11/2017	*	*	*	*	(JLUX) conducted inspection. no issues.	
11/20/2017	*	*	*	*	(JLUX) small leak found around bottom bolts on wellhead 1H. The operator was notified and will address the leak on Tues.	
11/22/2017	*	*	*	*	(JLUX) leaks were fixed by the operator.	
12/13/2017	*	*	*	*	(JLUX) leaks were fixed by operator.	

12/18/2017	X	X	X	*	(JLUX) Air monitoring inspection was conducted today by Modern Geosciences. Leaks were found at the separators mallard boxes and dehy unit. leaks were tagged and operator notified.
1/3/2018	X	X	X	X	(JLUX) reinspection done onsite. no leaks were found during inspection. Compressor crew and pumper on location working on the compressor. the dehydration unit is going to be worked on next week.
1/25/2018	X	X	X	X	(JLUX) crew went out to site and fixed the dehydration unit. no other issues were found.
2/8/2018	X	X	X	X	(JLUX) no issues on site.
3/21/2018	X	X	X	X	(JLUX) no issues.
4/17/2018	X	X	X	X	(JLUX) no leaks found during inspection.
5/14/2018	X	X	X	*	(JLUX) Air monitoring inspection conducted today by Modern Geosciences. Small leaks were found at North 1H separator and at high pressor regulator near compressor door. Operator was notified of leaks and will have the leaks fixed today.
6/8/2018	X	X	X	X	(JLUX) reinspection and monthly inspection was conducted. The leaks were fixed by operator and no leaks were found .
7/31/2018	X	X	X	X	(JLUX) no issues on site.
8/29/2018	X	X	X	X	(JLUX) no leaks found during inspection.
9/28/2018	X	X	X	X	(JLUX) no leaks found on site.
10/30/2018	X	X	X	X	(JLUX) no issues

11/13/2018	X	X	X	*	(JLUX) Air monitoring inspections conducted today with Modern Geosciences. Leaks were found at separators and compressor. notified operator of issues.
11/30/2018	X	X	X	X	(JLUX) conducted inspection. no leaks were found on site. reinspection done.
12/12/2018	X	X	X	X	(JLUX) no issues.
1/7/2019	X	X	X	X	(JLUX) inspection done. no leaks
1/31/2019	X	X	X	*	(JLUX) leaks found at separators and dehy unit. pumper on site to fix the leaks. dehy unit technician will fix the leak tomorrow.
2/1/2019	X	X	X	*	(JLUX) inspection done. found leak at dehydration unit at the bottom of tank. contacted the operator about the leak. operator will have to shut unit down to be able to fix leak. Unit will need to cool down on Monday and leak will be fixed on Tues.
2/4/2019	X	X	X	X	(JLUX) met EHS supervisor on site to look at dehy unit. He shut down the unit to cool off. Tuesday is when he can fix the leak and work on unit.
2/5/2019	X	X	X	X	(JLUX) talked to operator about the dehy and they wont be able to fix the leak until Thurs
2/7/2019	X	X	X	X	(JLUX) dehy unit is still down but will be fixed on Monday.
2/12/2019	X	X	X	X	(JLUX) I talked to operator and dehy unit was fixed on Monday.
3/20/2019	X	*	*	*	(JLUX) conducted monthly inspection. leaks were found at dehy unit and high pressure regulator located near compressor building. the fence needs to be fixed on north side due to cows. Some of the trees look dead or struggling. Operator was notified of leaks.

4/12/2019	X	*	X	*	(JLUX) Air monitoring inspection was conducted today with Modern Geosciences. A leak was found at the compressor (tagged). Leaks were found at the separators mallard boxes(snap valves). The dehydration unit had leaks located at the mallard boxes (snap valves). The operator was notified of leaks.
4/30/2019	X	X	X	X	(JLUX) reinspection done on site. no leaks found during inspection.
5/31/2019	X	X	X	X	(JLUX) no issues on site
6/19/2019	X	X	X	X	(JLUX) wells are down due to dehy not working. operator is searching for new company to work on unit. They will notify me when unit is back up and running.
7/11/2019	X	X	X	X	(JLUX) wells are down at this time. operator is working on getting new company to work on dehy unit.
7/24/2019	X	X	X	X	(JLUX) operator and home builder came out today and fixed issues. they fixed the seceondary access road and the silt fence along the road was moved over. It's no longer blocking the entrance. The entrance and lease road was mowed at the gas well site. The dehy unit was getting worked on today and wells kicked back up and running.
8/28/2019	X	*	X	X	the compressor and dehy unit was running today while I was on site. no leaks found during inspection.
9/19/2019	X	X	X	*	A leak was found at the red high pressure regulator that is connected the piping next to the compressor building. I notified the operator of the leak.
10/4/2019	X	X	X	X	no leaks found on site.
10/16/2019	X	X	*	*	conducted air monitoring inspections with modern geosciences today. leaks were found at the mallord box (separators) and at compressor. leaks were tagged and operator notified. the perimeter fence (south side) tie downs came undone.
11/4/2019	X	X	X	X	reinspection done. no leaks were found during inspection. lock on the pad site gate needs to be replaced.

12/16/2019	X	X	X	X	conducted inspection. no leaks on site.	
1/13/2020	X	X	X	X	no leaks found during inspection.	
2/25/2020	X	X	*	X	the bottom of the slatted fence panels were not secured on south side of pad. the trees need to be looked at by the operator. new trees will need to be planted in coming months. no leaks found during inspection. operator was notified of issues.	
3/12/2020	X	X	X	X	no issues on site.	
4/23/2020	X	X	X	*	Air monitoring inspections conducted today with Modern Geosciences. Leaks were found at the dehydration unit mallard box and a valve on the compressor. The pumper was notified and will fix the leaks on Friday.	
5/26/2020	X	X	X	X	no leaks found at time of inspection.	
6/24/2020	X	X	X	X	no issues on site. Measurement truck on location testing meters. pumper on location looking at wells. A few tree are dead on perimeter of pad site.	
7/16/2020	X	X	X	*	water in containment where the wellhead is located. Corrosion showing at bottom of wellhead. The operator will be notified of issues.	
7/30/2020	X	X	X	X	no issues on site.	
8/19/2020	X	X	X	X	Inspection done. No leaks found on site at time of inspection.	
9/17/2020	X	X	X	X	no issues found on site during inspection.	
10/15/2020	X	X	X	X	no leaks found during inspection.	
11/10/2020	X	X	X	X	CCI truck on location. The 2" pipe located behind the separators is corroded and pitting. Needs to be replaced by operator. I called the pumper and they will come out in few weeks and replace pipe. No other issues on site.	
11/17/2020	X	X	X	*	Conducted an air monitoring inspection today on site with Modern Geosciences. The tanks thief hatches were not seal properly. The Separator (south) mallard box regulator had a small leak coming from it. Needs to be replaced. The compressor had a small leak at the actuator valve.	notified operator

12/1/2020	X	X	X	X	Odor Complaint came in this morning on the Hilliard site. I met the Sage production supervisor and pumper on site this morning. The odor was coming from the Atmos sales line located on the southeast corner of pad. Small leaks were detected by Mike Miller and I as we walked the sales line. The leaks were tagged and we notified Atmos Energy about the leaks. They are sending a technician out to the pad site today to fix the leaks that are located on the sales line. Re-inspection of the pad will be conducted this afternoon.	odor complaint
12/2/2020	X	X	*	X	Met pumper Miguel out on site in the morning time to check on odor. The compressor was running and the odor was not strong anymore. The compressor was moving the gas through the line and not making the mercaptan stick around in the sales line. Didn't receive any calls or emails regarding the odor smell. I will continue to monitor the site for leaks and odor.	
12/7/2020	X	X	X	X	conducted inspection on site. no leaks were found on location. The odor was gone from atmos pipeline area. They were going to replace the piping inside the containment area and fix the seal on the thief hatch.	
1/13/2021	X	*	X	X	no issues on site today. a few sprinkler heads were broken and water was coming out onto the ground. Called Mike and they will get someone out to fix them. Several Trees and shrubs are dead or damaged.  operator fixed the bubblers that were leaking on Tuesday 19th.	
2/11/2021	X	X	X	X	no issues on site.	
3/25/2021	X	*	X	X	no issues on site during inspection. Need to talk to operator about the landscape. A lot of trees and shrubs are dead around the pad site.	
4/30/2021	X	X	X	*	Conducted air monitoring inspection today with Modern Geosciences. Leaks were detected at the separators and dehy unit. Both were tagged. Operator will be notified of leaks.	
5/12/2021	X	X	X	X	Re-inspection was completed and there were no leaks found on site. CCI truck was on location .	
6/8/2021	X	X	X	X	no issues on site.	
7/27/2021	X	X	X	X	no issues on site.	

8/16/2021	X	X	X	X	no issues on site at time of inspection.	
9/2/2021	X	X	X	X	Conducted Emergency Response meeting with operator and FMFD. We walked the site and showed everyone how the site operates. ERP is updated. Conducted inspection after meeting. No issues were found at time of inspection.	
11/17/2021	X	*	X	X	No issues found at time of inspection. multiple landscape trees and shrubs are dead around pad site. Operator needs to plant new trees and shrubs.	
11/24/2021	X	*	X	*	Conducted air monitoring inspection with Modern Geosciences today. Small leaks were found at the separators and dehy unit. Leaks were tagged and Operator was notified of leaks and will correct them.	
12/7/2021	X	X	X	X	Conducted reinspection today. No issues were found on site at time of inspection. Leaks were fixed by operator. Pumper on site checking on wells.	reinspection
1/3/2022	*	*	*	*	No issues on site. Pumper was on site checking wells.	
2/14/2022	X	X	X	X	no issues on site today.	
3/9/2022	X	*	X	X	no issues. trees and shrubs need to be replaced.	
4/12/2022	X	X	X	X	no issues on site.	Passed inspection
4/25/2022	X	*	X	X	Air monitoring inspection today with Modern Geosciences. Small leak found at the dehydration units mallard box(snap valve). MG tagged the unit. Russell with FX5 was on site to replace a high pressure regulator in the piping. While there he fixed the dehy unit snap valve. No other issues were found.	
5/12/2022	X	*	X	X	no issues on site.	
6/16/2022	X	*	X	X	Pumper was on site at time of inspection. No issues found on site.	
7/22/2022	X	X	X	X	Pumper onsite checking wells. no issues found on site.	
8/18/2022	X	*	X	X	no leaks detected during inspection. all the of the shrubs are dead and a few trees. They need to be replaced with new ones.	
9/6/2022	X	*	X	X		

10/21/2022	X	*	X	X	Air Monitoring inspection conducted by Modern Geosciences today. Leaks were found at the #1 separator mallard box and Dehydration unit. Both leaks were tagged and the operator was notified of issues.	Modern Geosciences
11/3/2022	X	*	X	X	no issues on site. Reinspection done. operator fixed issues.	reinspection
11/21/2022	*	*	*	*	Edmond (developer) complained about water trucks leaving mud on the pavement as they leave the site. Contacted gas well operator about issue. They will correct issues on their side of the lease road. I will give Edmond a call about the gravel road on the west side of the entrance to pad site. Needs to more gravel placed down on it. Photos in attachments.	mud on street
12/21/2022	X	*	X	X	No issues on site.	
1/25/2023	X	*	X	X	no issues on site. The combo lock at entrance gate needed to be replaced with new lock by operator.	
2/21/2023	X	*	X	*	Modern Geosciences conducted an air monitoring inspection today. Leaks were found and the operator was notified.	air monitoring inspection
3/3/2023	X	*	X	X	RE-inspection done today. The operator fixed the leaks on site.	reinspection
3/20/2023	X	*	X	X	no issues on site. trees and shrubs need to be replaced.	
4/27/2023	X	*	X	X	The wells are currently shut in by the operator. The compressor is not operational. The operator is currently looking to sell gas well site. No issues on site.	shut in wells
5/9/2023	*	*	*	*	operator has the wells shut in at this time. The compressor has been removed from site.	shut in wells
6/28/2023	*	*	*	*	gas wells are shut in at this time.	shut in wells
7/28/2023	*	*	*	*	wells are shut in at this time.	shut in wells
8/24/2023	*	*	*	*	Wells are shut in at this time.	shut in wells