



# Texas Brine Company, LLC

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Belle Rose, LA 70341  
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January 29, 2014

Commissioner James H. Welsh  
P.O. Box 94275  
Baton Rouge, LA 70804

**RE: In response to State of Louisiana Department of Natural Resources Office of Conservation's Second Amendment to Declaration of Emergency and Directive**

Commissioner Welsh,

In response to the Second Amendment and Declaration of Emergency and Directive order issued by the Louisiana Department of Natural Resources (LDNR), Office of Conservation on September 25, 2012, Texas Brine Company, LLC (TPC) understands the seven items listed in the document.

In the above mentioned, TBC was specifically directed and ordered to perform certain tasks outlined in the above mentioned document. Below are the required responses, as directed.

1. TBC's counsel provided LDNR legal counsel with a response to Directives 1-3 on September 28, 2012.
2. TBC understands Directive 4, which is to provide all daily logs and field notes from all contractors conducting investigation into subsidence and natural gas bubbling. The Daily Action Summary and results for current information can be found in the Attachment section of this report.
3. TBC understands Directive 5, which directs TBC to immediately allow for split or share any sample taken on site related to Well 3A (Serial Number 974265), the cavern, other wells facilities or other site locations. The Daily Action Summary of today's collection can be found in Attachment section of this report.
4. TBC understands Directive 6, which directs TBC to immediately report the results (final and preliminary) of any tests, logs samples or data collection performed on Well 3A, the cavern, other wells, facilities or site locations that indicate a change in any previously known conditions related to the investigation of the subsidence or natural gas bubbling

events, and continue to report any such results. The Daily Action Summary and the Results related to this Directive can be found in Attachment section of this report.

5. TBC understands the Directive 7, which states that TBC will provide a daily summary of all tests, or logs performed or samples taken from Well 3A and the cavern as well as any results of those tests or logs, including preliminary as of September 25, 2012 and going forward. The Daily Summary and Results related to this Directive can be found in Attachment section of this report.

Please note that the drilling rig used for the Observation Well 3A has been removed and the site is being rigged down and returned to pre-drilling condition. As such, daily drilling reports for this well have ceased. Plans are being made for longer term potential gas venting/flaring requirements and possible hydrocarbon material recover from Well 3A.

In addition, previous daily summary reports issued to LDNR have included significant duplicate information as there is a fair amount of overlap in the information requested in each of the Directives included in the September 25, 2012 order. All requested information associated with the Directives issued in the September 25, 2012 order are included in the Attachment section of this report.

TBC believes that the submittal of this report satisfies the requirements of the Declaration of Emergency and Directive issued on September 25, 2012. As directed this report is submitted by email to [conservationorder@la.gov](mailto:conservationorder@la.gov), ref. "Emergency Declaration-Texas Brine Company LLC-9/25/2012.



Bruce E. Martin

Vice President, Operations

Texas Brine Company, LLC

## **Summary Table for Daily Events**

TBC Oxy Grand Bayou Data Management-Environmental											
Contractor	Responsibilities	Collected By	Date Collected		Delivered to Lab	Results from Lab	Laboratory	Method	Date to Agencies		
Sage	Stationary Air Monitoring	No Sage personnel onsite, Roxana Dubose (CodeRed) - arrived at 08:45 and remained onsite due to the winter storm on 1/28/2014	1/28/2014		NA	NA	NA	NA	1/29/2014		
	Residential Air Monitoring	Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities.	NA		NA	NA	NA	NA	NA		
	Gas Seep Sampling	No work performed	1/28/2014		NA	NA	NA	NA	NA		
	Well Gas Sampling	No work performed	1/28/2014		NA	NA	NA	NA	NA		
	Under Slab Gas Sampling	No work performed	1/28/2014		NA	NA	NA	NA	NA		
	Indoor Air Monitoring	No work performed	1/28/2014		NA	NA	NA	NA	NA		
Respec	Inclinometers/Tilt Meters/Transducers	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	InSAR Reflector Installations	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Subsidence Survey-Fenstermaker	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Shallow Geophone Installation	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Deep Geophone Installation	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Amendment #3, Directive #2	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Expansion of geoprobe gas sampling locations	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	DPVE	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Abandon Casing Survey	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Passive Vent Wells	1/28/2014 Monitor pressure at	Eric Krantz	NA	NA	NA	NA	NA	NA	NA	
	MIHPT	1/28/2014 No work Conducted	NA	NA	NA	NA	NA	NA	NA	NA	
	Miller	Weekly Stability Survey	NA	January 28, 2014		NA	NA	NA	NA	NA	
		Misc. Survey Work	NA	January 28, 2014		NA	NA	NA	NA	NA	
Sinkhole Hydro/Perimeter Survey		NA	January 28, 2014		NA	NA	NA	NA	NA		
Pisani	Surface Water	NA	January 28, 2014		NA	NA	NA	NA	NA		
	Sinkhole	NA	January 28, 2014		NA	NA	NA	NA	NA		
	Industrial Well Water	NA	January 28, 2014		NA	NA	NA	NA	NA		
	MRAA Well Water	NA	January 28, 2014		NA	NA	NA	NA	NA		
	GP/ORW Water	NA	January 28, 2014		NA	NA	NA	NA	NA		
	Cavern Water	NA	January 28, 2014		NA	NA	NA	NA	NA		
	Discharge/Outfall Water	NA	January 28, 2014		NA	NA	NA	NA	NA		
Geoprobe Wells	NA	January 28, 2014		NA	NA	NA	NA	NA			
Grand Bayou Well 3A											
Daily Operations at 3A		Summary of Today's events									
1/29/2014		Oxy 3A									
7:00am		1121.02 1/29/2014									
		Relief Well #1									
1/29/2014		See ORW-01 Flare Spreadsheet (will be provided 1/2/14)									

## **Attachments**

## **Daily Action Summary**

**January 28, 2014**

### **Sinkhole Perimeter Air Monitoring and Neighborhood Air Monitoring**

- The following locations are equipped with solar-powered weather boxes: Pad #9, TR-1a, ORW-11a, ORW-9a, ORW-5, PVW-02, and PVW-BS-56a. And, the following locations are equipped with electrical power: ORW-49-WH and ORW-50-WH. Thus, daily monitor change-out is no longer necessary for these locations. All monitors will continue to be calibrated and serviced as necessary.
- No Sage personnel onsite.
- Roxana Dubose of Code Red (monitor sub-contractor) arrived onsite at 08:45 and remained onsite due to the winter storm on 01/28/2014. Assisted in maintenance of the monitoring equipment as necessary.

NOTE: From approximately 12:45 to 18:00 on 01/28/2014, data was not properly transmitted from all sinkhole perimeter air monitoring locations to radio signal issues. The onsite technician is working to retrieve data from each respective monitor's internal data logger. A revised data report will be sent accordingly.

### **Residential Air Monitoring**

- Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities. The last event was conducted on March 26, 2013.

### **Gas Seep Sampling**

- Not Scheduled

### **Well Gas Sampling**

- Not Scheduled

### **Under Slab Gas Sampling**

- Not Scheduled

### **Air Indoor Monitoring**

- Not Scheduled

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Neighborhood Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03			Passive Vent Well - 02		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-02		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/28/2014 01:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 02:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 03:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 04:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 06:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 07:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 08:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 AM	<1.0	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 12:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 01:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 02:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 03:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 04:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 05:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 06:00:00 PM	<1.0	0.0	20.5	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 07:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 08:00:00 PM	<1.0	0.0	20.6	<1.0	0.0	24.3	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 PM	<1.0	0.0	20.6	0.0	0.0	21.0	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 12:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.6	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0

Notes:

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Neighborhood Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03			Passive Vent Well - 02		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-02		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/28/2014 01:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 02:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 03:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 04:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 06:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 07:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 08:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 AM	<1.0	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 12:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 01:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 02:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 03:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 04:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 05:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 06:00:00 PM	<1.0	0.0	20.5	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 07:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 08:00:00 PM	<1.0	0.0	20.6	<1.0	0.0	24.3	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 PM	<1.0	0.0	20.6	0.0	0.0	21.0	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 12:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.6	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0

Notes:

RTU-14, located at ORW-50, recorded elevated O2 readings from approximately 08:05 PM - 08:11 PM on 01/28/2014. A winter storm was passing through the area during this time.



**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Sinkhole Perimeter Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5					ORW-9a					ORW-11a					Pad #9					TR-1a				
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
01/28/2014 01:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
01/28/2014 02:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
01/28/2014 03:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
01/28/2014 04:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
01/28/2014 05:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
01/28/2014 06:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
01/28/2014 07:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 08:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 09:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 10:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 11:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 12:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 01:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 02:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 03:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 04:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 05:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9
01/28/2014 06:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 07:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	21.0
01/28/2014 08:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 09:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 10:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 11:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 12:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9

Notes:  
From approximately 12:45 PM to 6:00 PM on 01/28/2014, data was not properly transmitted from all monitoring locations to radio signal issues. The onsite technician is working to retrieve data from each respective monitor's internal data logger. A revised data report will be sent accordingly.

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Sinkhole Perimeter Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers									
	ORW-5					ORW-9a					ORW-11a					Pad #9					TR-1a									
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)					
01/28/2014 01:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9					
01/28/2014 02:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9					
01/28/2014 03:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9					
01/28/2014 04:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9					
01/28/2014 05:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9					
01/28/2014 06:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9					
01/28/2014 07:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9					
01/28/2014 08:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9					
01/28/2014 09:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9					
01/28/2014 10:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9					
01/28/2014 11:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9					
01/28/2014 12:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9					
01/28/2014 01:00:00 PM	Data not properly transmitted - see note					0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	0.0	20.9				
01/28/2014 02:00:00 PM						0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9
01/28/2014 03:00:00 PM						0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9
01/28/2014 04:00:00 PM						0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9
01/28/2014 05:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9					
01/28/2014 06:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9					
01/28/2014 07:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	21.0					
01/28/2014 08:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9					
01/28/2014 09:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9					
01/28/2014 10:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9					
01/28/2014 11:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9					
01/29/2014 12:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9					

Notes:

From approximately 12:45 PM to 6:00 PM on 01/28/2014, data was not properly transmitted from all monitoring locations due to radio signal issues. Data was retrieved from the internal data loggers from monitors located at ORW-9a, ORW-11a, Pad#9, and TR-1a. However, data could not be retrieved from the internal data logger for RTU-16, located at ORW-5.

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Neighborhood Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03			Passive Vent Well - 02		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-02		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/28/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 06:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 07:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 08:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 AM	<1.0	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 12:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 01:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 02:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 03:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 04:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 05:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 06:00:00 PM	<1.0	0.0	20.5	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 07:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 08:00:00 PM	<1.0	0.0	20.6	<1.0	0.0	24.3	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 PM	<1.0	0.0	20.6	0.0	0.0	21.0	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	<1.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 12:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.6	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 01:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.6	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 02:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.7	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 03:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.6	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 04:00:00 AM	<1.0	0.0	20.6	<1.0	0.0	21.0	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 05:00:00 AM	<1.0	0.0	20.5	0.0	0.0	21.0	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0

Notes:

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Neighborhood Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03			Passive Vent Well - 02		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-02		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/28/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 06:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 07:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 08:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 AM	<1.0	0.0	20.7	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 12:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 01:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/28/2014 02:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 03:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 04:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 05:00:00 PM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 06:00:00 PM	<1.0	0.0	20.5	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 07:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 08:00:00 PM	<1.0	0.0	20.6	<1.0	0.0	24.3	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 09:00:00 PM	<1.0	0.0	20.6	0.0	0.0	21.0	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 10:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/28/2014 11:00:00 PM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	<1.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 12:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.6	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 01:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.6	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 02:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.7	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 03:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.6	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 04:00:00 AM	<1.0	0.0	20.6	<1.0	0.0	21.0	0.0	0.0	20.6	0.0	0.0	21.0	<1.0	0.0	21.0
01/29/2014 05:00:00 AM	<1.0	0.0	20.5	0.0	0.0	21.0	0.0	0.0	20.5	0.0	0.0	21.0	<1.0	0.0	21.0

Notes:

RTU-14, located at ORW-50, recorded elevated O2 readings from approximately 08:05 PM - 08:11 PM on 01/28/2014. A winter storm was passing through the area during this time.

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Sinkhole Perimeter Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5					ORW-9a					ORW-11a					Pad #9					TR-1a				
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
01/28/2014 05:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
01/28/2014 06:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
01/28/2014 07:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 08:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 09:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 10:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 11:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 12:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9
01/28/2014 01:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 02:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 03:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 04:00:00 PM	Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note					Data not properly transmitted - see note				
01/28/2014 05:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9
01/28/2014 06:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 07:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	21.0
01/28/2014 08:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 09:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 10:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/28/2014 11:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 12:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 01:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 02:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 03:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 04:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9
01/29/2014 05:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9

Notes:  
From approximately 12:45 PM to 6:00 PM on 01/28/2014, data was not properly transmitted from all monitoring locations to radio signal issues. The onsite technician is working to retrieve data from each respective monitor's internal data logger. A revised data report will be sent accordingly.

**Texas Brine - Belle Rose, Louisiana**  
**Hourly Air Monitoring Data**  
**Sinkhole Perimeter Monitoring**

\*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

Date-Time *	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers					
	ORW-5					ORW-9a					ORW-11a					Pad #9					TR-1a					
	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	
01/28/2014 05:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	
01/28/2014 06:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	
01/28/2014 07:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	
01/28/2014 08:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	
01/28/2014 09:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	
01/28/2014 10:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	
01/28/2014 11:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	
01/28/2014 12:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	
01/28/2014 01:00:00 PM	Data not properly transmitted - see note					0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	0.0	20.9
01/28/2014 02:00:00 PM						0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9	
01/28/2014 03:00:00 PM						0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9	
01/28/2014 04:00:00 PM						0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9	
01/28/2014 05:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	20.9	
01/28/2014 06:00:00 PM	0.0	<1.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/28/2014 07:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	21.0	
01/28/2014 08:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/28/2014 09:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/28/2014 10:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/28/2014 11:00:00 PM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/29/2014 12:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/29/2014 01:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/29/2014 02:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/29/2014 03:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/29/2014 04:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	
01/29/2014 05:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.9	

Notes:  
From approximately 12:45 PM to 6:00 PM on 01/28/2014, data was not properly transmitted from all monitoring locations due to radio signal issues. Data was retrieved from the internal data loggers from monitors located at ORW-9a, ORW-11a, Pad#9, and TR-1a. However, data could not be retrieved from the internal data logger for RTU-16, located at ORW-5.

**RESPEC Consulting & Services**

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Crystal Hocking

Date: 1/28/2014

Company: RESPEC

Job #: 2241

<b>Personnel</b>	<b>Company</b>	<b>Job Title</b>
Eric Krantz	RESPEC	Staff Engineer

**Time Onsite:** Start Time: 7:30 End Time: 13:30

**DAILY ACTIVITY:**

Attended onsite contractor and safety meeting.

**Instrumentation Program:**

No Work Conducted.

**Other Programs:**

*Passive Vent Wells:* RESPEC visited monitor wells near NSDBS-026 for pressure measurements and assessing existing wellhead configurations. A pressure gage was installed on GP-BS-26-2. Flow meters were installed at PVW-01, PVW-02, DPVE-22, and DPVE-37. A flow test was conducted at PVW-01.

**PROPOSED SCHEDULE:**

**Instrumentation Program:**

Install IPI instrumentation at IPI-STR-002. Drilling oversight, casing installation, and instrumentation installation at IPI-STR-01 tentatively scheduled for 2/3/14.

**Other Programs:**

*Passive Vent Wells:* Monitor pressure at DPVE-26 area wells. Read flow rate at PVW-01, PVW-02, DPVE-22, and DPVE-37. Install Track-It logger on GP-6. Install well risers at DPVE-22, DPVE-37, and associated monitor wells. Develop wells PVW-02 and GP-6 (pending weather).

Initials: CMH