



Texas Brine Company, LLC

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January 22, 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, 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, Megan Tramonte (CodeRed) - 07:00 - 17:15		1/21/2014	NA	NA	NA	NA	1/22/2014	
	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		1/21/2014	NA	NA	NA	NA	NA	
	Well Gas Sampling	No work performed		1/21/2014	NA	NA	NA	NA	NA	
	Under Slab Gas Sampling	No work performed		1/21/2014	NA	NA	NA	NA	NA	
	Indoor Air Monitoring	No work performed		1/21/2014	NA	NA	NA	NA	NA	
Respec	Inclinometers/Tilt Meters/Transducers	1/21/2014	No work Conducted	Eric Krantz	NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	DPVE	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Abandon Casing Survey	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Passive Vent Wells	1/21/2014	Development of well PVW-01 and redeveloped DPVE-37.	John Knight	NA	NA	NA	NA	NA	NA
	MIHPT	1/21/2014	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Miller	Weekly Stability Survey	K. Pichoff		January 20, 2014	NA	NA	NA	NA	NA
Misc. Survey Work		M. Fore		January 20, 2014	NA	NA	NA	NA	NA	
Sinkhole Hydro/Perimeter Survey		No work performed		January 20, 2014	NA	NA	NA	NA	NA	
Pisani	Surface Water	NA		January 21, 2014	NA	NA	NA	NA	NA	
	Sinkhole	NA		January 21, 2014	NA	NA	NA	NA	NA	
	Industrial Well Water	NA		January 21, 2014	NA	NA	NA	NA	NA	
	MRAA Well Water	NA		January 21, 2014	NA	NA	NA	NA	NA	
	GP/ORW Water	NA		January 21, 2014	NA	NA	NA	NA	NA	
	Cavern Water	NA		January 21, 2014	NA	NA	NA	NA	NA	
	Discharge/Outfall Water	NA		January 21, 2014	NA	NA	NA	NA	NA	
	Geoprobe Wells	NA		January 21, 2014	NA	NA	NA	NA	NA	
Grand Bayou Well 3A										
Daily Operations at 3A		Summary of Today's events								
		Oxy 3A								
1/22/2014		7:00am	1118.91	1/22/2014	Relief Well #1					
1/22/2014		See ORW-01 Flare Spreadsheet (will be provided 1/2/14)								

Attachments

Daily Action Summary

January 20, 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, 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.
- Karl Duckworth and Steven Shaughnessy onsite from 09:00 to 13:00. Assisted in maintenance of the air monitoring network.
- Megan Tramonte of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in maintenance of the monitoring equipment as necessary.

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

Daily Action Summary

January 21, 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, 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.
- Megan Tramonte of Code Red (monitor sub-contractor) onsite from 07:00 to 17:15. Assisted in maintenance of the monitoring equipment as necessary.

NOTE: Monitors were deployed at PVW-DPVE-37 and PVW-DPVE-37-S from 15:43 to 16:30 on 01/21/2014 while work was being conducted at DPVE-37. Monitors will be redeployed on 01/22/2014 when work resumes. Please see the attached map for location details.

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			DPVE-37 Conversion to Passive Vent Well			DPVE-37 Conversion to Passive Vent Well - Downwind		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-DPVE-37			PVW-DPVE-37-S		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/21/2014 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	RTU-4 was deployed at 03:43 PM on 01/21/2014.	RTU-2 was deployed at 03:43 PM on 01/21/2014.	0.0	0.0	21.0	
01/21/2014 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						
01/21/2014 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						
01/21/2014 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						
01/21/2014 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						
01/21/2014 06:00:00 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						
01/21/2014 07:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 08:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 09:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 10:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 12:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.1	<1.0	0.0	21.0						
01/21/2014 01:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0						
01/21/2014 02:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.1	<1.0	0.0	21.0						
01/21/2014 03:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0						
01/21/2014 04:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 05:00:00 PM	0.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 06:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 07:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 08:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 09:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 10:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 11:00:00 PM	0.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 12:00:00 AM	0.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						

Notes:

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 (%)
01/21/2014 01:00:00 AM	<1.0	1.0	0.0	0.0	20.7	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 02:00:00 AM	<1.0	1.2	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 03:00:00 AM	<1.0	1.2	0.0	0.0	20.8	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 04:00:00 AM	<1.0	1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 05:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 06:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 07:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 08:00:00 AM	<1.0	<1.0	<1.0	0.0	20.7	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.7	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 09:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 10:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.7	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 11:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 12:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 01:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 02:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 03:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 04:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 05:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 06:00:00 PM	<1.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
01/21/2014 07:00:00 PM	<1.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 08:00:00 PM	<1.0	<1.0	0.0	0.0	20.4	<1.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 09:00:00 PM	<1.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 10:00:00 PM	<1.0	<1.0	0.0	0.0	20.4	<1.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.8	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 11:00:00 PM	<1.0	<1.0	0.0	0.0	20.3	<1.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9
01/22/2014 12:00:00 AM	<1.0	<1.0	0.0	0.0	20.3	<1.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.7

Notes:



**PVW-DPVE-37 and PVW-DPVE-37-S
Monitoring Locations**

January 21, 2014

S A G E
ENVIRONMENTAL CONSULTING

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			DPVE-37 Conversion to Passive Vent Well			DPVE-37 Conversion to Passive Vent Well - Downwind		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-DPVE-37			PVW-DPVE-37-S		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/21/2014 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						
01/21/2014 06:00:00 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						
01/21/2014 07:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 08:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 09:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 10:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 12:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 01:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	<1.0	0.0	21.0						
01/21/2014 02:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.1	<1.0	0.0	21.0						
01/21/2014 03:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	21.0
01/21/2014 04:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	21.0
01/21/2014 05:00:00 PM	0.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 06:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 07:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 08:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 09:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 10:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/21/2014 11:00:00 PM	0.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 12:00:00 AM	0.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 01:00:00 AM	<1.0	0.0	20.6	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 02:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 03:00:00 AM	<1.0	0.0	20.4	0.0	0.0	20.7	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 04:00:00 AM	<1.0	0.0	20.4	0.0	0.0	20.6	0.0	0.0	20.9	<1.0	0.0	21.0						
01/22/2014 05:00:00 AM	<1.0	0.0	20.5	0.0	0.0	20.7	0.0	0.0	20.9	<1.0	0.0	21.0						

Notes:

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 (%)
01/21/2014 05:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 06:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 07:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 08:00:00 AM	<1.0	<1.0	<1.0	0.0	20.7	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.7	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 09:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 10:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.7	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 11:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 12:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 01:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 02:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 03:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 04:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 05:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/21/2014 06:00:00 PM	<1.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
01/21/2014 07:00:00 PM	<1.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 08:00:00 PM	<1.0	<1.0	0.0	0.0	20.4	<1.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 09:00:00 PM	<1.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 10:00:00 PM	<1.0	<1.0	0.0	0.0	20.4	<1.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.8	<1.0	<1.0	0.0	0.0	20.9
01/21/2014 11:00:00 PM	<1.0	<1.0	0.0	0.0	20.3	<1.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9
01/22/2014 12:00:00 AM	<1.0	<1.0	0.0	0.0	20.3	<1.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.7
01/22/2014 01:00:00 AM	<1.0	<1.0	0.0	0.0	20.3	<1.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.6
01/22/2014 02:00:00 AM	<1.0	<1.0	0.0	0.0	20.2	<1.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.6
01/22/2014 03:00:00 AM	<1.0	<1.0	0.0	0.0	20.2	<1.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.6
01/22/2014 04:00:00 AM	<1.0	<1.0	0.0	0.0	20.2	<1.0	<1.0	0.0	0.0	20.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	<1.0	<1.0	0.0	0.0	20.6
01/22/2014 05:00:00 AM	<1.0	<1.0	0.0	0.0	20.2	<1.0	<1.0	0.0	0.0	20.2	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.4	<1.0	<1.0	0.0	0.0	20.6

Notes:

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Crystal Hocking

Date: 1/21/2014

Company: RESPEC

Job #: 2241

Personnel	Company	Job Title
John Knight	RESPEC	Staff Geologist

Time Onsite: Start Time: 7:30 End Time: 17:00

DAILY ACTIVITY:

Attended onsite contractor and safety meeting.

Instrumentation Program:

No Work Conducted.

Other Programs:

Passive Vent Wells: RESPEC and WHE developed well PVW-01 and redeveloped well DPVE-37 in the Bayou Corne community. Gas pressure was monitored in PVW-03 and GP-5.

Berm Mapping: No Work Conducted.

PROPOSED SCHEDULE:

Instrumentation Program:

Quarterly maintenance of western and southern water level and IPI sites. Observe drilling and log samples for IPI-STR-02 on Wednesday 1/22/14.

Other Programs:

Passive Vent Wells: Conduct gas monitoring at PVW-03. Install risers at PVW-01 and DPVE-37. Geoprobe coring at PVW-02 (GP-6) has been postponed until DOT access permit is approved, or an alternate site will be selected. RESPEC will work with WHE and TBC to begin demobilizing the barge from PVW-56 (located near the former location of NSDBS-056). Collect recent pressure measurements from all wells in the DPVE-26 area.

Berm Mapping: Finish mapping berms west of sinkhole.

Initials: CMH

ME&A Daily Action Summary

January 20, 2014

Subsidence Survey:

- Surveyed Subsidence Points around Brine Tanks

Sinkhole Perimeter/Hydrographic Survey:

- No Work Done

Support Sinkhole Cleanup

- No Work Done

Misc. Survey Work

- Arrived @ 8:30 am
- Surveyed Settlement Plates
- Surveyed Berm Rods
- Surveyed North Access Road Rods
- Surveyed ORW38 Monitoring Rods
- Departed @ 3:00 pm