



Texas Brine Company, LLC

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May 30, 2013

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	Eric Rucinski - 07:55 - 09:05 Pete Hyatt IV (Code Red) - 07:00 - 17:00		5/29/2013		NA	NA	NA	AreaRAE Monitors	5/30/2013
	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	Steve Shaughnessy NSDBS-49: 11:27		5/22/2013		Yes (via Accutest courier)	Yes	SPL	Sulfur	5/30/2013
	Well Gas Sampling	Steve Shaughnessy GPBS-15: 12:41 (5/21) GPBS-20: 13:32 (5/22) GPBS-26: 10:05 (5/22) NSDMW015: 14:15 (5/22)		5/21/2013 5/22/2013		Yes (via Accutest courier service)	Yes	SPL	Sulfur	5/30/2013
	Under Slab Gas Sampling Indoor Air Monitoring	No work performed		5/29/2013		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	5/29/2013	No Samples Collected	NA	NA	NA	NA	NA	NA	NA
	Miller	Weekly Stability Survey	Herschel Sauce		May 29, 2013		NA	NA	NA	NA
Misc. Survey Work		Herschel Sauce		May 29, 2013		NA	NA	NA	NA	NA
Sinkhole Hydro/Perimeter Survey		No Work Performed		May 29, 2013		NA	NA	NA	NA	NA
Pisani	Surface Water	NA		NA		NA	NA	NA	NA	NA
	Industrial Well Water	NA		NA		NA	NA	NA	NA	NA
	MRAAWell Water	5/29/2013	GP-ORW-17, GP-BS-20, GP-BS-35	PR	PR	5/29/2013				Isotech DGW
	Geoprobe Wells	NA		NA		NA	NA	NA	NA	NA
Grand Bayou Well 3A										
Daily Operations at 3A	<u>Summary of Today's events</u>									
	5/30/2013	Oxy 3A								
	7am	540.94		5/30/2013						
5/30/2013	Relief Well #1									
	See ORW-01 Flare Spreadsheet									

Attachments

Daily Action Summary

May 29, 2013

Stationary Air Monitoring

- Eric Rucinski onsite from 07:55 – 09:05. Changed out the monitors between 08:17 and 08:44. Collected data from the monitoring database and forwarded to Jill Martin in the Baton Rouge office for processing.
- Pete Hyatt IV of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

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

- SPL provided the sulfur analytical results of the following gas seep sample collected on May 22, 2013 as part of the MRAA Sampling Program:
 - NSDBS-49

SPL additionally conducted LHG analysis on the gas seep sample and provided those results. Isotopic analytical results are not yet available.

Well Gas Sampling

- SPL provided the sulfur analytical results of the following well gas samples collected on May 21 - May 22, 2013 as part of the MRAA Sampling Program:
 - GPBS-15
 - GPBS-20
 - GPBS-26
 - NSDMW015

SPL additionally conducted LHG analysis on the well gas samples and provided those results. Isotopic analytical results are not yet available.

Under Slab Gas Sampling

- Not Scheduled

Air Indoor Monitoring

- Not Scheduled

Texas Brine - Belle Rose, Louisiana
Gas Seep Sampling Results - MRAA Sampling Events

	NSDBS-49
	Sample Date: May 22, 2013
LHG Constituents	
SPL Sample ID	BS-49B
Pollutant	Mol %
Nitrogen	9.865
Carbon Dioxide	1.928
Methane	85.225
Ethane	2.229
Propane	0.433
Iso-butane	0.100
n-Butane	0.091
Iso-pentane	0.046
n-Pentane	0.025
Hexanes	0.026
Heptanes+	0.032
Sulfides	
SPL Sample ID	BS-49B
Pollutant	ppm_w
Hydrogen Sulfide	<1.0
Carbonyl Sulfide	<1.0
Dimethyl Sulfide	ND
Methyl Ethyl Sulfide	ND
Diethyl Sulfide	ND
Di-iso-propyl Sulfide	ND
Di-n-propyl Sulfide	ND
Di-iso-butyl Sulfide	ND
Di-sec-butyl Sulfide	ND
Di-tert-butyl Sulfide	ND
Di-n-butyl Sulfide	ND
Unknown Sulfides	ND
Methyl Mercaptan	ND
Ethyl Mercaptan	ND
Isopropyl Mercaptan	ND
n-Propyl Mercaptan	ND
Isobutyl Mercaptan	ND
sec-Butyl Mercaptan	ND
tert-Butyl Mercaptan	ND
n-Butyl Mercaptan	ND
Isoamyl Mercaptan	ND
pri-Amyl Mercaptan	ND
n-Amyl Mercaptan	ND
Carbon Disulfide	ND
Dimethyl Disulfide	ND
Methyl Ethyl Disulfide	ND
Diethyl Disulfide	ND
Di-iso-propyl Disulfide	ND
Di-n-propyl Disulfide	ND
Di-iso-butyl Disulfide	ND
Di-sec-butyl Disulfide	ND
Di-tert-butyl Disulfide	ND
Di-n-butyl Disulfide	ND
Unknown Disulfides	ND
Thiophene	ND
Thiophane	ND

Texas Brine - Belle Rose, Louisiana
Well Gas Sampling Results - MRAA Sampling Events

	GPBS-15	GPBS-26	GPBS-20	NSDMW015
	Sample Date: May 21, 2013	Sample Date: May 22, 2013	Sample Date: May 22, 2013	Sample Date: May 22, 2013
LHG Constituents				
SPL Sample ID	GPBS-15W	GPBS-26W	GPBS-20W	NSDMW015W
Pollutant	Mol %	Mol %	Mol %	Mol %
Nitrogen	3.469	3.048	3.769	3.404
Carbon Dioxide	2.601	5.728	2.560	3.658
Methane	90.813	88.812	90.318	89.784
Ethane	2.353	1.760	2.460	2.224
Propane	0.449	0.402	0.550	0.617
Iso-butane	0.101	0.106	0.133	0.166
n-Butane	0.092	0.070	0.109	0.106
Iso-pentane	0.045	0.034	0.050	0.032
n-Pentane	0.025	0.016	0.024	0.009
Hexanes	0.027	0.016	0.020	ND
Heptanes+	0.025	0.008	0.007	ND
Sulfides				
SPL Sample ID	GPBS-15W	GPBS-15W	GPBS-20W	NSDMW015W
Pollutant	ppm _w	ppm _w	ppm _w	ppm _w
Hydrogen Sulfide	<1.0	1.5	<1.0	<1.0
Carbonyl Sulfide	<1.0	<1.0	ND	<1.0
Dimethyl Sulfide	ND	ND	ND	ND
Methyl Ethyl Sulfide	ND	ND	ND	ND
Diethyl Sulfide	ND	ND	ND	ND
Di-iso-propyl Sulfide	ND	ND	ND	ND
Di-n-propyl Sulfide	ND	ND	ND	ND
Di-iso-butyl Sulfide	ND	ND	ND	ND
Di-sec-butyl Sulfide	ND	ND	ND	ND
Di-tert-butyl Sulfide	ND	ND	ND	ND
Di-n-butyl Sulfide	ND	ND	ND	ND
Unknown Sulfides	ND	ND	ND	ND
Methyl Mercaptan	ND	ND	ND	ND
Ethyl Mercaptan	ND	ND	ND	ND
Isopropyl Mercaptan	ND	ND	ND	ND
n-Propyl Mercaptan	ND	ND	ND	ND
Isobutyl Mercaptan	ND	ND	ND	ND
sec-Butyl Mercaptan	ND	ND	ND	ND
tert-Butyl Mercaptan	ND	ND	ND	ND
n-Butyl Mercaptan	ND	ND	ND	ND
Isoamyl Mercaptan	ND	ND	ND	ND
pri-Amyl Mercaptan	ND	ND	ND	ND
n-Amyl Mercaptan	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND
Dimethyl Disulfide	ND	ND	ND	ND
Methyl Ethyl Disulfide	ND	ND	ND	ND
Diethyl Disulfide	ND	ND	ND	ND
Di-iso-propyl Disulfide	ND	ND	ND	ND
Di-n-propyl Disulfide	ND	ND	ND	ND
Di-iso-butyl Disulfide	ND	ND	ND	ND
Di-sec-butyl Disulfide	ND	ND	ND	ND
Di-tert-butyl Disulfide	ND	ND	ND	ND
Di-n-butyl Disulfide	ND	ND	ND	ND
Unknown Disulfides	ND	ND	ND	ND
Thiophene	ND	ND	ND	ND
Thiophane	ND	ND	ND	ND

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

*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 *	South-most Pipeline Site					Middle-most Pipeline Site					North-most Pipeline Site					On Drill Rig Boom					Onsite Trailers				
	ST-3					ST-2					ST-1					OG 3A-1					TR-1				
	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 (%)
05/29/2013 01:00:00 AM	<1.0	0.0	<1.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 02:00:00 AM	<1.0	0.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 03:00:00 AM	0.0	0.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	5.8	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 04:00:00 AM	0.0	0.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	4.9	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 05:00:00 AM	0.0	0.0	<1.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	9.4	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 06:00:00 AM	0.0	0.0	<1.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	17.1	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 07:00:00 AM	<1.0	0.0	<1.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	3.1	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 08:00:00 AM	<1.0	<1.0	<1.0	0.0	21.1	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 02:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 03:00:00 PM	0.0	<1.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 04:00:00 PM	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 05:00:00 PM	0.0	0.0	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	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 06:00:00 PM	0.0	0.0	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	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 07:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 08:00:00 PM	0.0	0.0	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	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 09:00:00 PM	0.0	0.0	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	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 10:00:00 PM	0.0	0.0	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	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 11:00:00 PM	0.0	<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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 12:00:00 AM	0.0	0.0	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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9

Notes:
RTU-8, located at OG3A-1, recorded elevated VOC readings from approximately 2:45 AM to 7:20 AM on 5/29/2013.

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

*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 *	South-most Pipeline Site					Middle-most Pipeline Site					North-most Pipeline Site					On Drill Rig Boom					Onsite Trailers				
	ST-3					ST-2					ST-1					OG 3A-1					TR-1				
	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 (%)
05/29/2013 05:00:00 AM	0.0	0.0	<1.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	9.4	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 06:00:00 AM	0.0	0.0	<1.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	17.1	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 07:00:00 AM	<1.0	0.0	<1.0	0.0	21.2	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	3.1	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 08:00:00 AM	<1.0	<1.0	<1.0	0.0	21.1	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
05/29/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 02:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 03:00:00 PM	0.0	<1.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 04:00:00 PM	0.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 05:00:00 PM	0.0	0.0	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	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 06:00:00 PM	0.0	0.0	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	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 07:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 08:00:00 PM	0.0	0.0	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	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 09:00:00 PM	0.0	0.0	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	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 10:00:00 PM	0.0	0.0	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	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/29/2013 11:00:00 PM	0.0	<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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 12:00:00 AM	0.0	0.0	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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 01:00:00 AM	0.0	0.0	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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 02:00:00 AM	0.0	<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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 03:00:00 AM	0.0	<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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 04:00:00 AM	0.0	<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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
05/30/2013 05:00:00 AM	0.0	0.0	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	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9

Notes:
RTU-8, located at OG3A-1, recorded elevated VOC readings from approximately 2:45 AM to 7:20 AM on 5/29/2013.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: John Schneider

Date: 05/25/13

Company: RESPEC

Work Order #: ()

Personnel	Company	Job Title
John Schneider	RESPEC	Staff Geophysicist

Time Onsite: Start Time: 0725 End Time: 1530

(Note: on-site time only reflects time on-site; it does not reflect time taken for off-site activities)

Equipment Onsite:

Daily Activity:

07:30 contractor meeting. Provided drilling oversight on G1. Loss of mud circulation prevented sampling analysis. (John Schneider).

Proposed Schedule:

Log samples from G1 if circulation returns.

Initials: JMS

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: John Schneider

Date: 05/26/13

Company: RESPEC

Work Order #: ()

Personnel	Company	Job Title
John Schneider	RESPEC	Staff Geophysicist

Time Onsite: Start Time: 0730 End Time: 1715

(Note: on-site time only reflects time on-site; it does not reflect time taken for off-site activities)

Equipment Onsite:

Daily Activity:

Provided drilling oversight on G1. Loss of mud circulation prevented sampling analysis. (John Schneider).

Proposed Schedule:

Provide drilling oversight for G1.

Initials: JMS

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: John Schneider

Date: 05/27/13

Company: RESPEC

Work Order #: ()

Personnel	Company	Job Title
John Schneider	RESPEC	Staff Geophysicist

Time Onsite: Start Time: 0730 End Time: 1630

(Note: on-site time only reflects time on-site; it does not reflect time taken for off-site activities)

Equipment Onsite:

Daily Activity:

Provided drilling oversight on G1. (John Schneider).

Proposed Schedule:

Provide drilling oversight for G1.

Initials: JMS

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Pete Smith

Date: 05/28/13

Company: RESPEC

Job #: 02241

Personnel	Company	Job Title
Peter Smith, CPG	RESPEC	Staff Geologist
Eric Krantz, PE	RESPEC	Staff Engineer
John Schneider	RESPEC	Staff Geophysicist

Time Onsite: Start Time: 07:00 End Time: 18:00

DAILY ACTIVITY:

07:30 contractor meeting.

Instrumentation program:

Receive and inventory shipment of instrumentation equipment (Krantz). Assemble instrumentation units.

G-1 drilling program:

Drilling oversight (Smith).

MRAA Sampling Event:

Sampling meeting with Pisani and CBI (Smith). Coordinate water sampling.

PROPOSED SCHEDULE:

Instrumentation program:

Assemble instrumentation units.

G-1 drilling program:

Drilling oversight.

MRAA Sampling Event:

Water sampling at remaining wells.

Initials: PHS

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Pete Smith

Date: 05/29/13

Company: RESPEC

Job #: 02241

Personnel	Company	Job Title
Peter Smith, CPG	RESPEC	Staff Geologist
Eric Krantz, PE	RESPEC	Staff Engineer

Time Onsite:

Start Time: 07:00

End Time: 18:00

DAILY ACTIVITY:

07:30 contractor meeting.

Instrumentation program:

Assemble instrumentation units (Krantz).

G-1 drilling program:

Drilling oversight (Smith). Wait on cement.

MRAA Sampling Event:

Sampling meeting with Pisani and CBI (Smith). Coordinate final water sampling.

PROPOSED SCHEDULE:

Instrumentation program:

Assemble instrumentation units.

G-1 drilling program:

Drilling oversight. Wait on cement.

MRAA Sampling Event:

No sampling; program is complete.

Initials: PHS

ME&A Daily Action Summary

May 29, 2013

Subsidence Survey:

- Arrived @ 8:30 am
- Ran conventional level loop starting at TBM 2 which is a nail set in a power pole adjacent to the main roadway and OxyGeismar #2 well pad. Ran level loop through brine wells (1,2 & 3), water wells (1,2 & 3), TBM's, and the two brine storage tanks.

Sinkhole Perimeter/Hydrographic Survey:

- No Work Done

Support Sinkhole Cleanup

- No Work Done

Misc. Survey Work

- Centerline survey of containment berms to check elevations and re-set water level gauges.
- Departed @ 4:30 pm