



Status Update

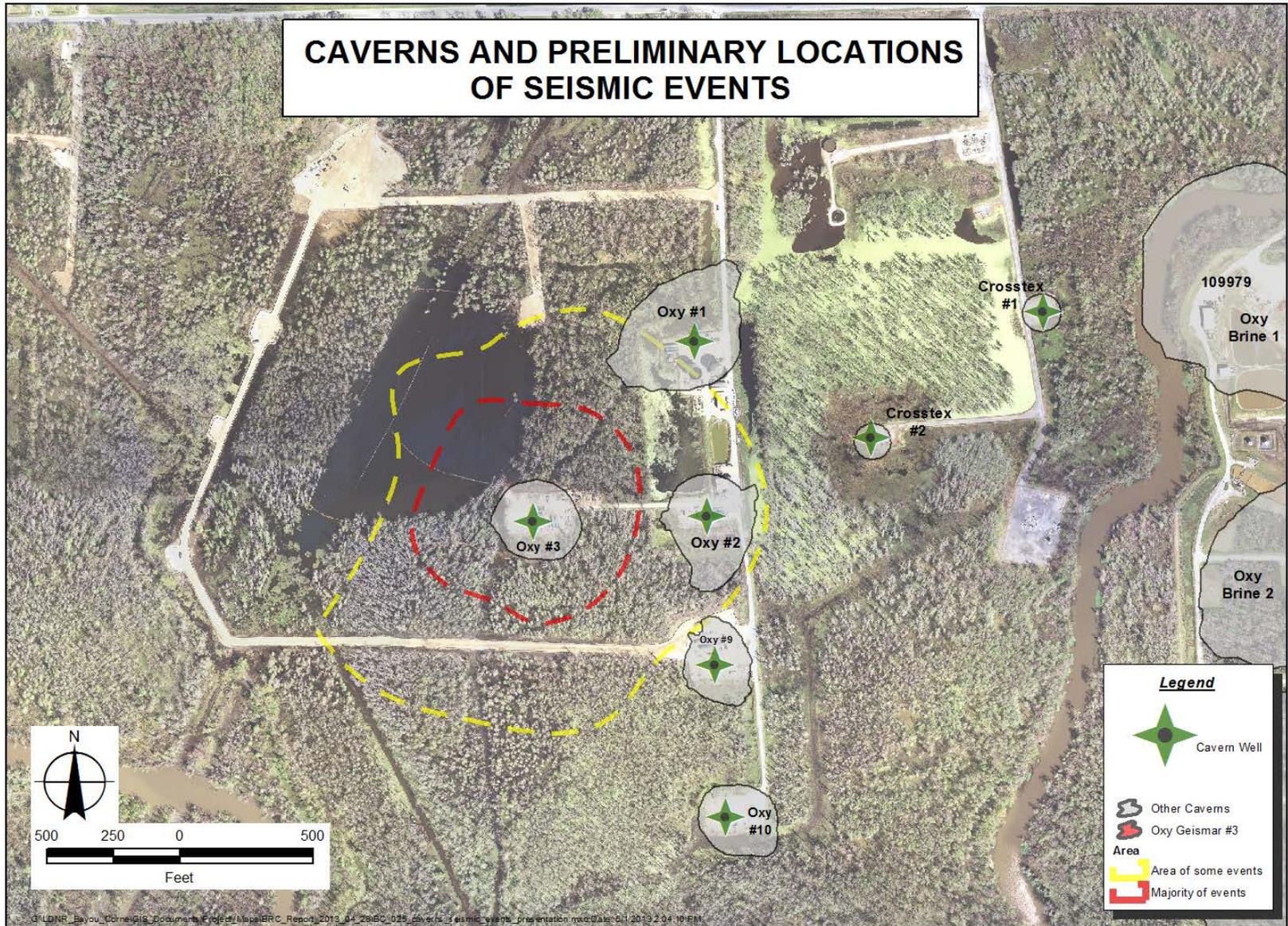
**Residents out of homes
277 days, 39 weeks, 9 months**

May 1, 2013

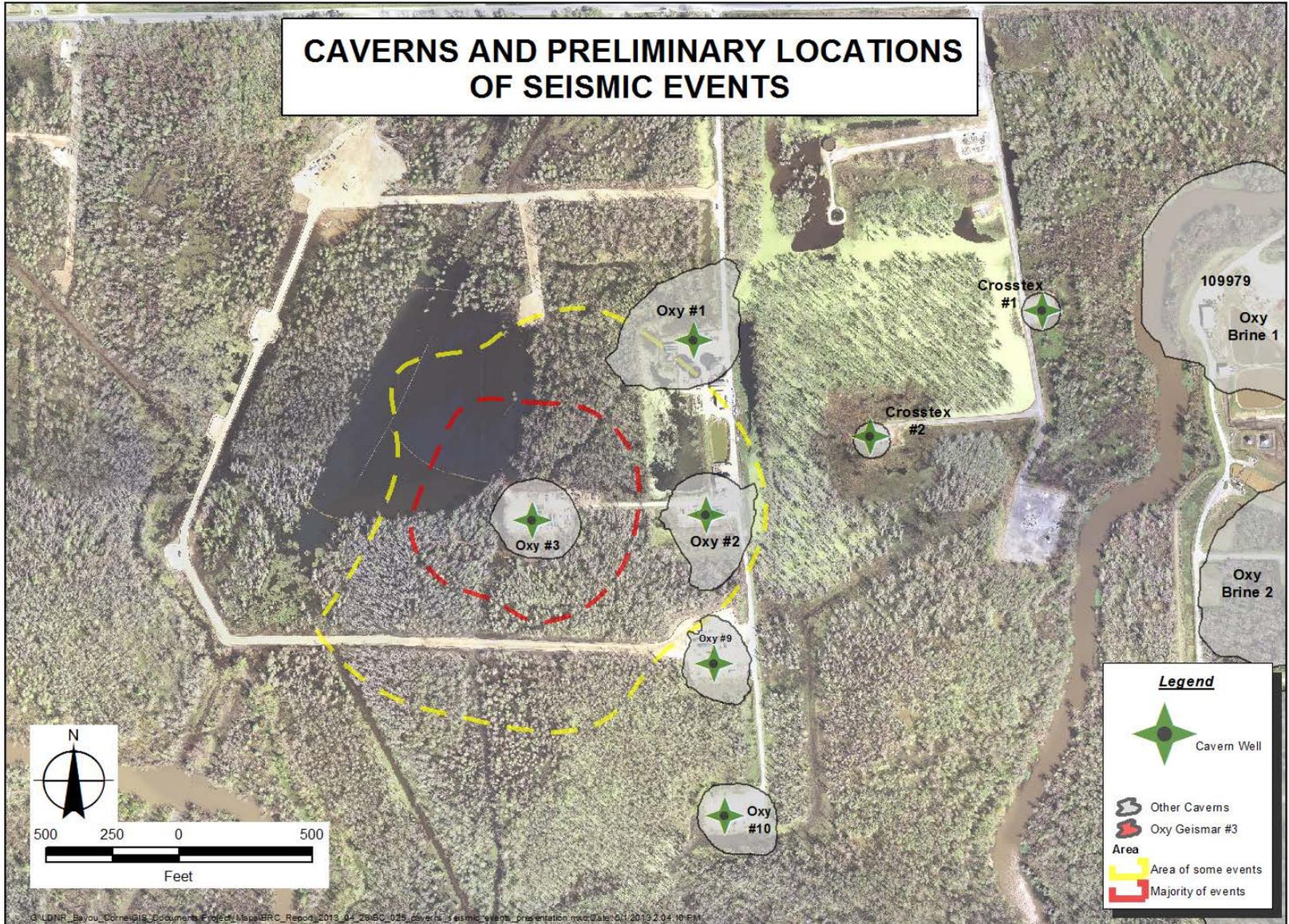
Napoleonville

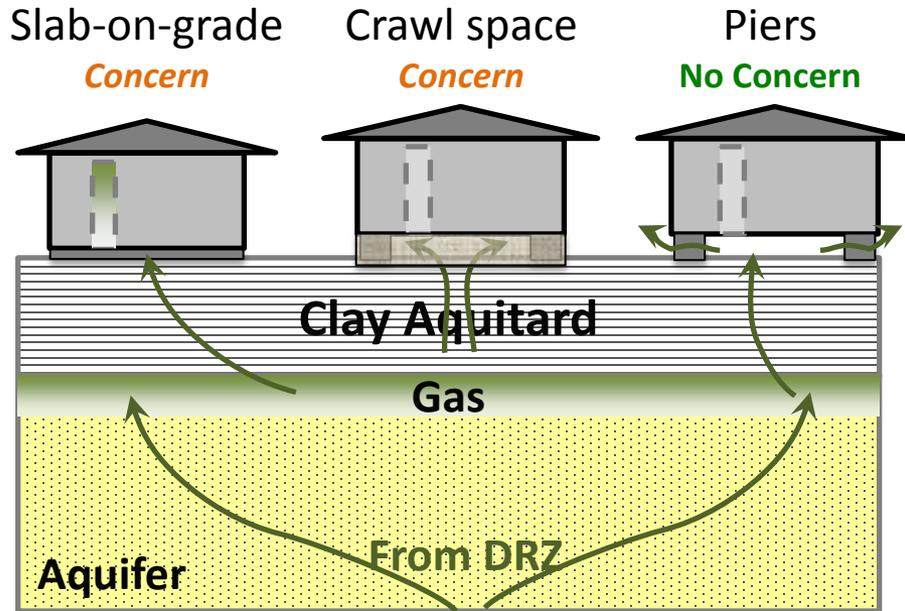


- Negotiated a new micro-seismic array in salt to 3,000 feet to replace micro-seismic array in Oxy 1
- TBC-Geophone-03 array near online
- Methane detected below some homes with potential indications of some thermogenic gas
- 3D seismic data and interpretation received from TBC

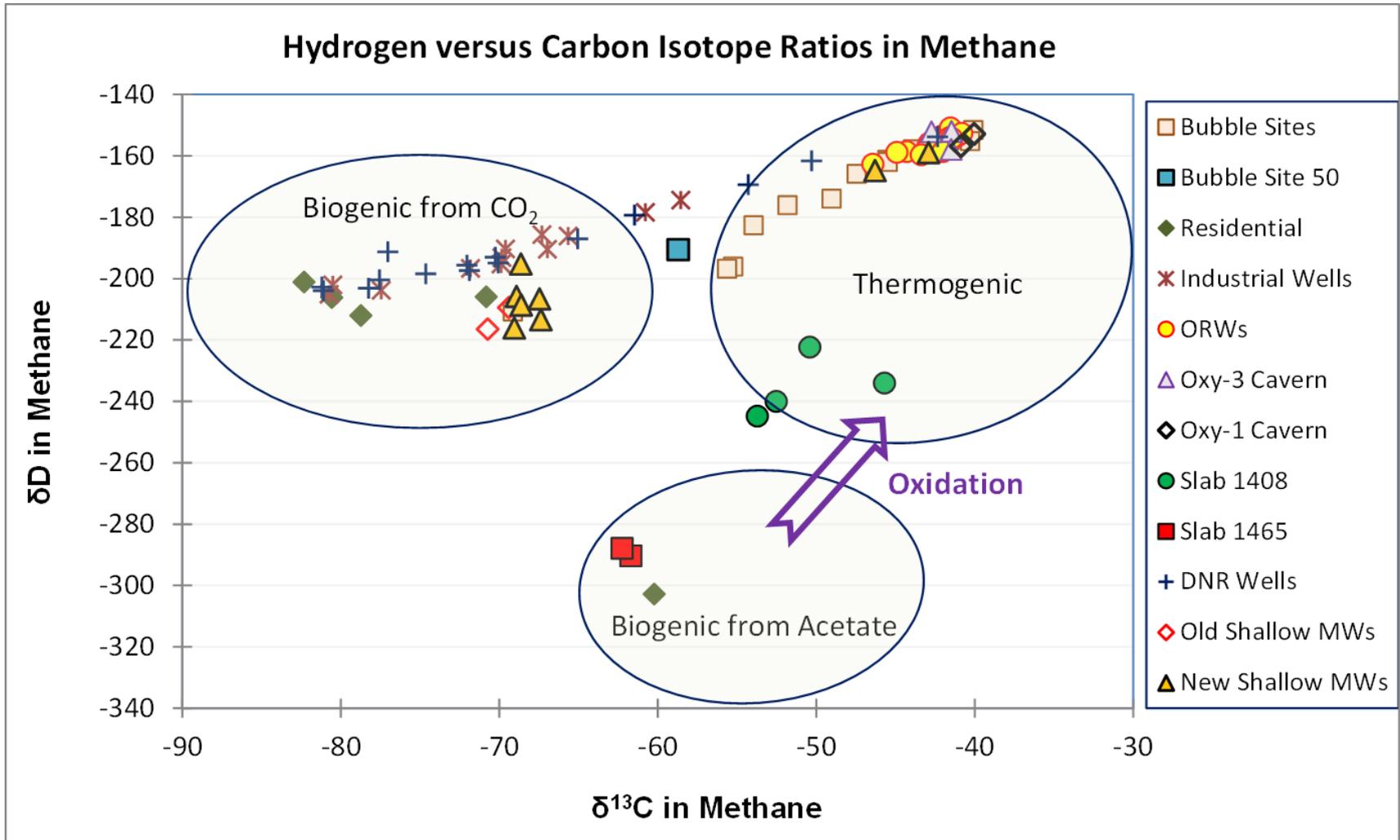


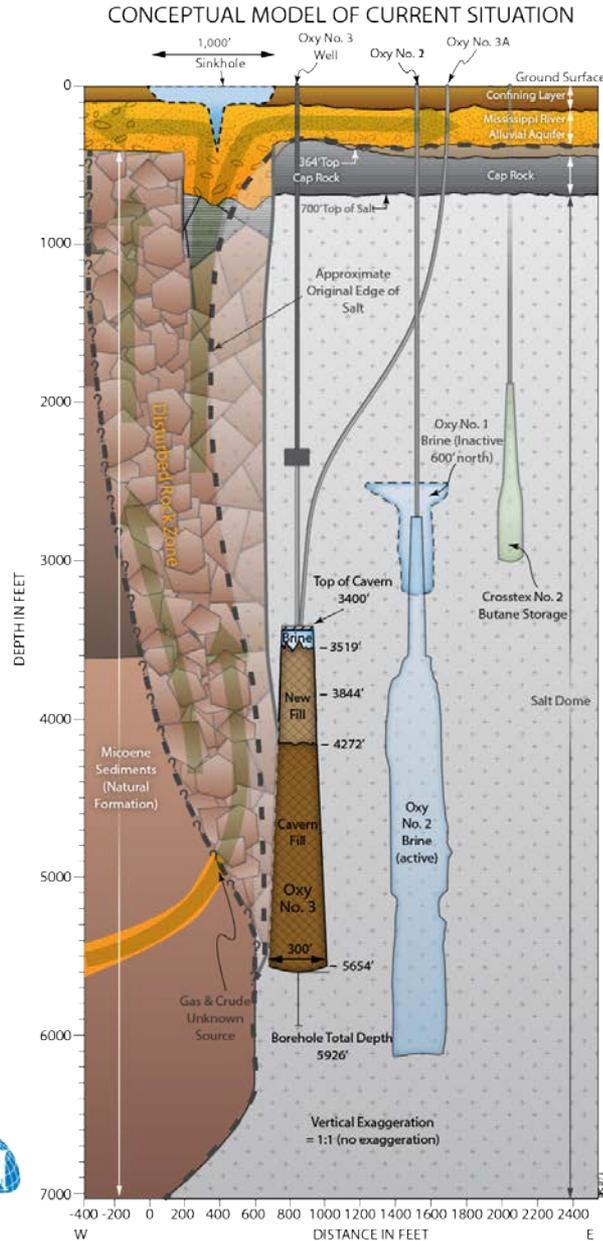
© LDNR, Bayou Corne GIS Documents, Project Maps/ERC_Report_2013_04_29/BC_025_caverns_and_seismic_events_presentation.mxd Date: 04/29/13 2:04:10 PM





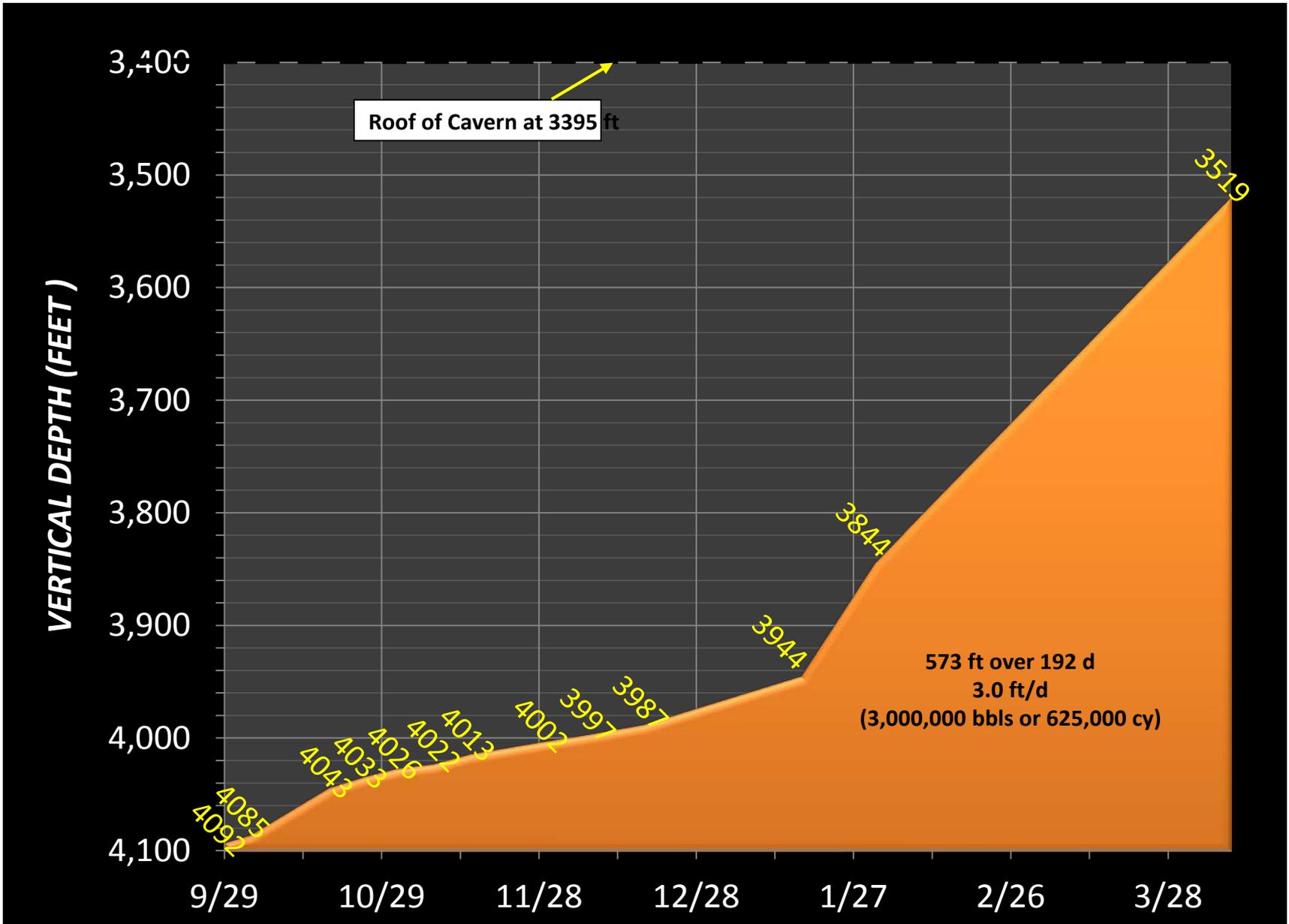
- Methane detected below two homes at LEL concentrations
- One trends toward thermogenic (natural gas)
- One shallow Geoprobe well in community at 30' in aquitard has thermogenic gas signature (biogenic in Oct. 2012)
- One shallow Geoprobe well east of community at 30' in aquitard has mixed gas signature
- Other 2 recent gas samples are biogenic (swamp gas)

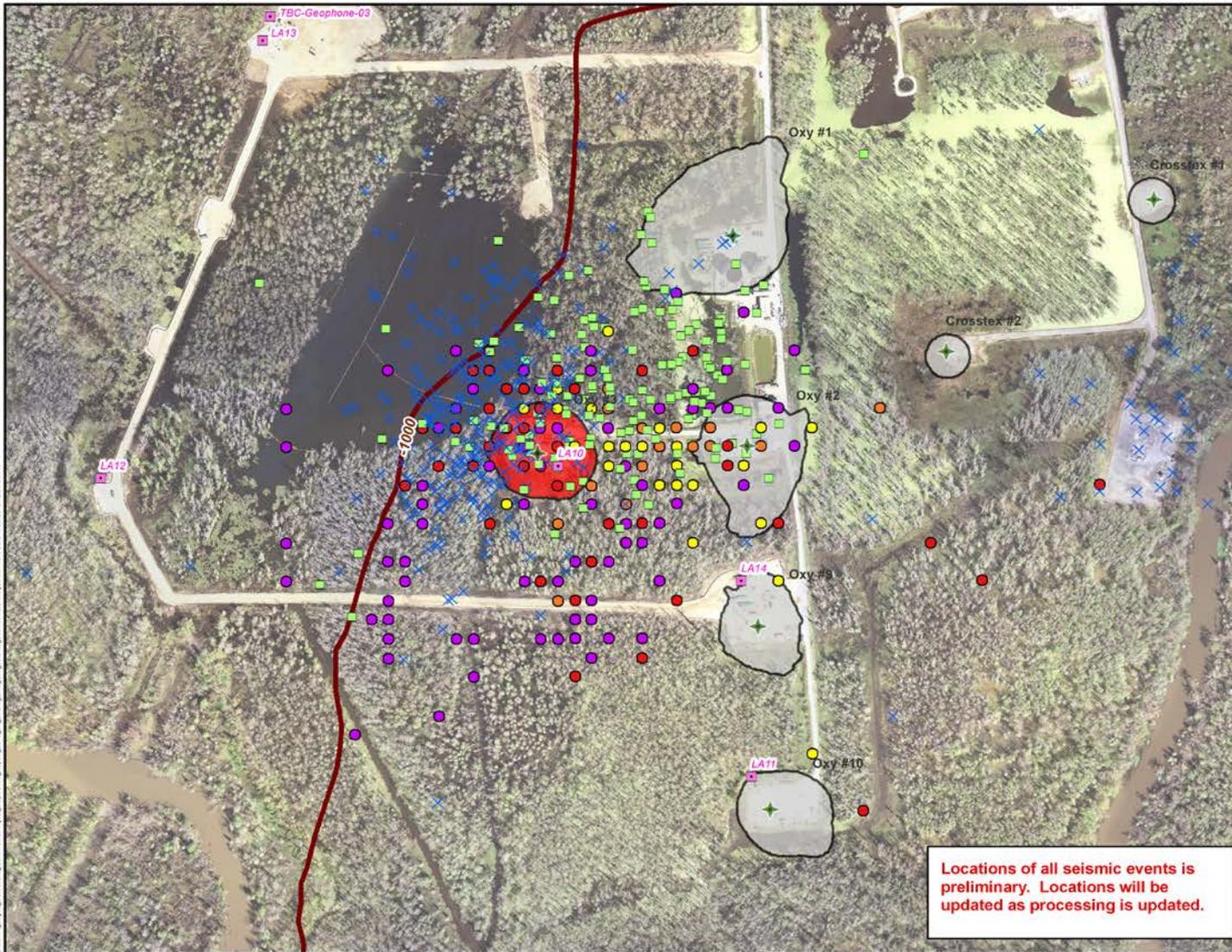




■ Cavern update

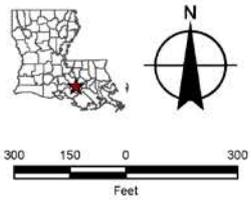
- Cavern bottom tag at 3919 feet TVD, 119 feet of cavern remaining as of April 6
- Multiple seismic events in April
- Cavern pressures have stabilized at around 500 psi and so far brine removal has been unable to reduce them





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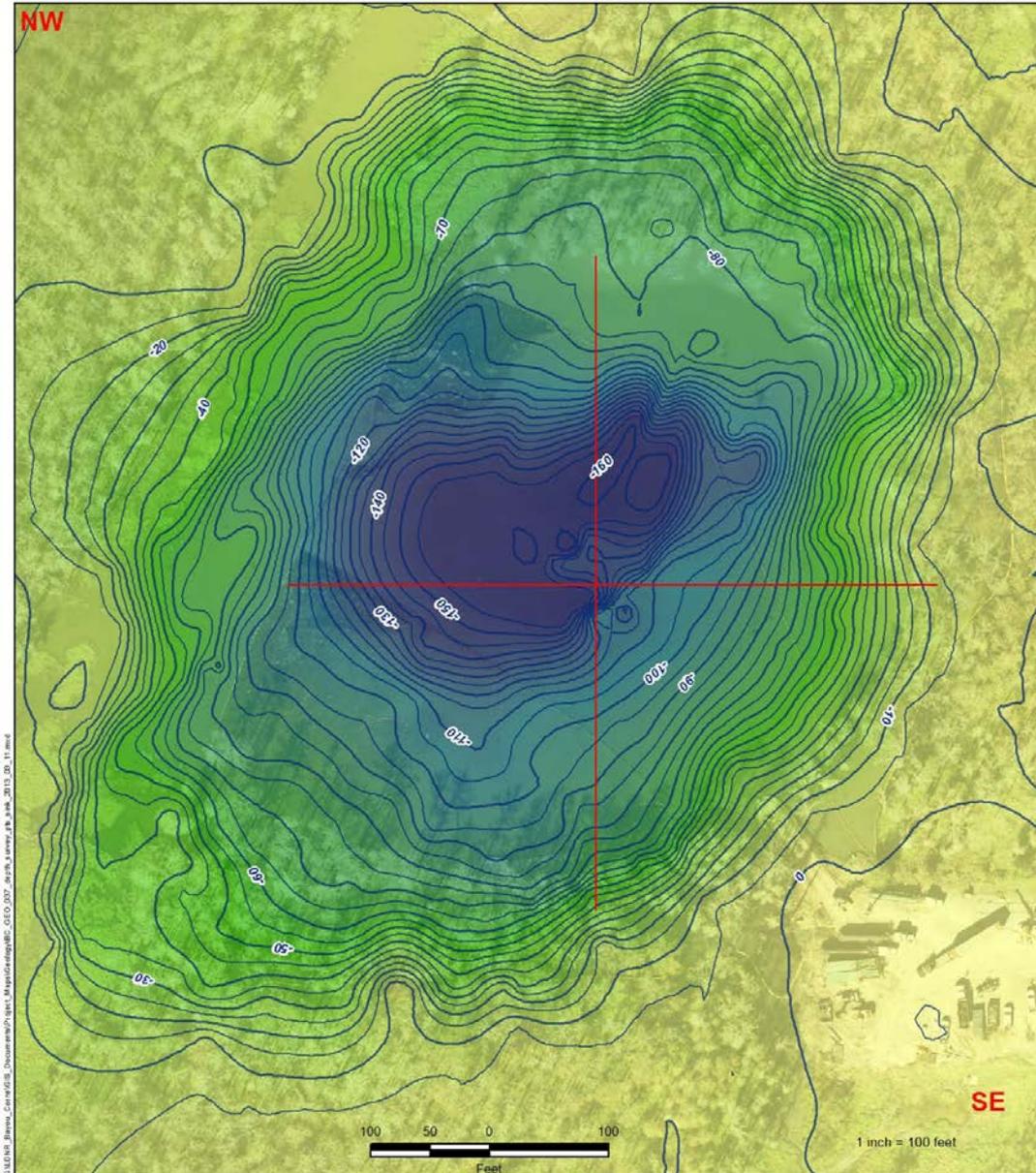
- Legend**
- Cavern Well
 - Seismic Station
- Seismic Event Category**
- Pre-sinkhole
 - Post-sinkhole-Pre 2013/01/19
 - Event of 2013/01/19
 - Post 2013/01/19
 - Oxy 1 microseismic
 - Oxy 2 VSP Array
- Top of Salt Elevation Contour (-1000 ft msl)
 - Other Caverns
 - Oxy #3



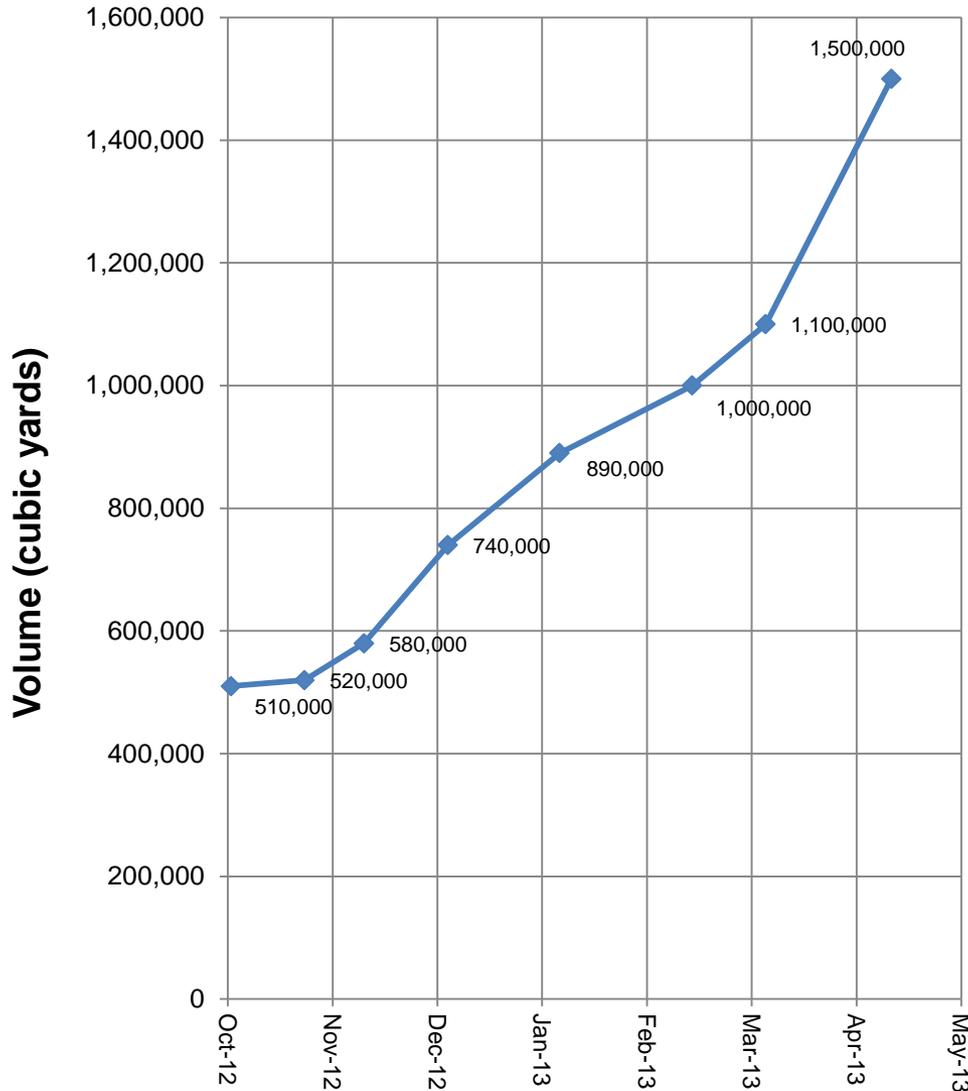
Locations of all seismic events is preliminary. Locations will be updated as processing is updated.

LOUISIANA DEPARTMENT OF NATURAL RESOURCES	
BAYOU CORNER/NAPOLEONVILLE SALT DOME EMERGENCY RESPONSE	
FIGURE NUMBER 18	PRELIMINARY LOCATIONS OF SEISMIC EVENTS
<small>Shaw Environmental & Infrastructure, Inc. A CBI® Company 4571 ESSEN LANE BATON ROUGE, LOUISIANA 70809 www.CBI.com</small>	

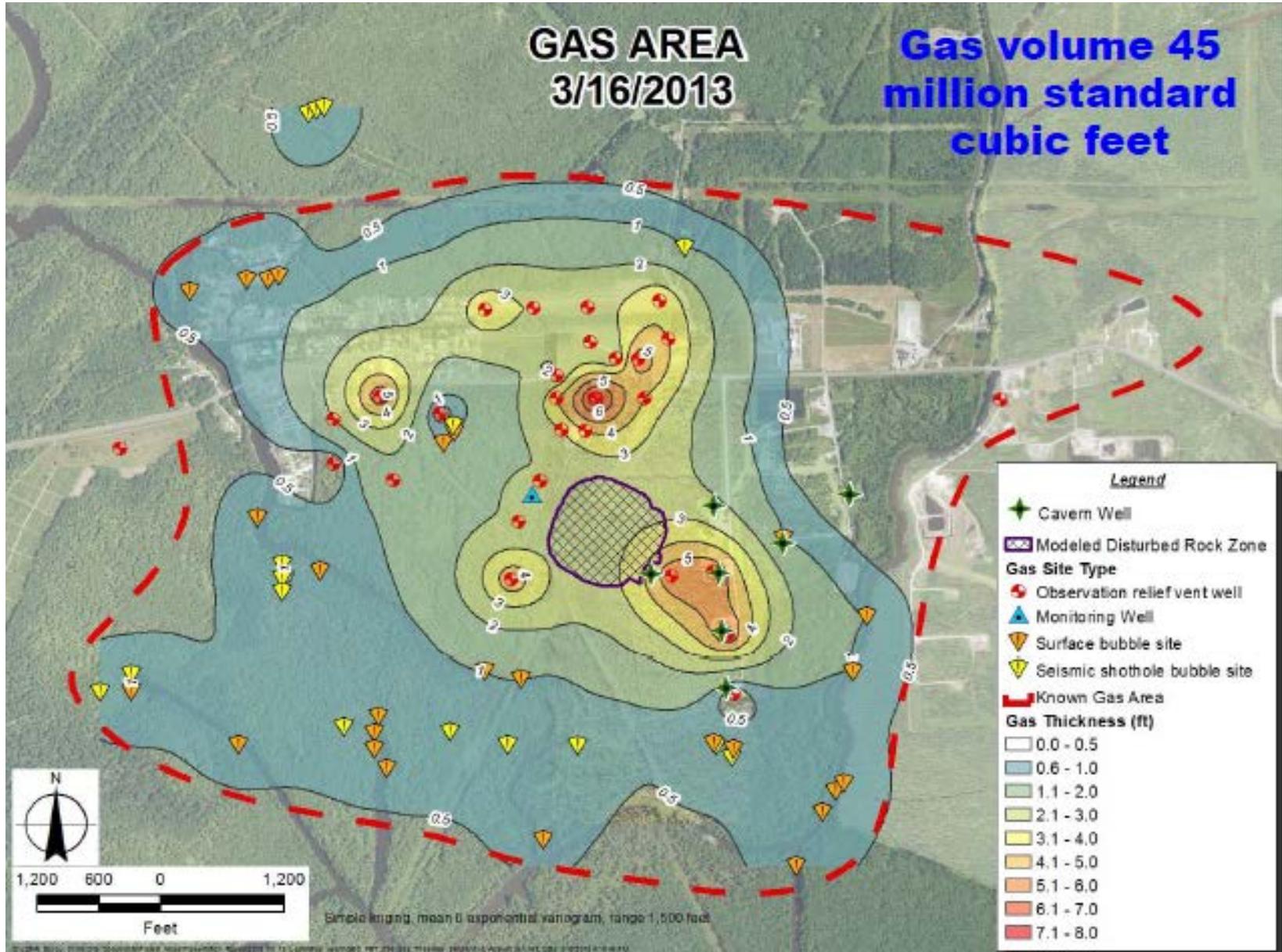


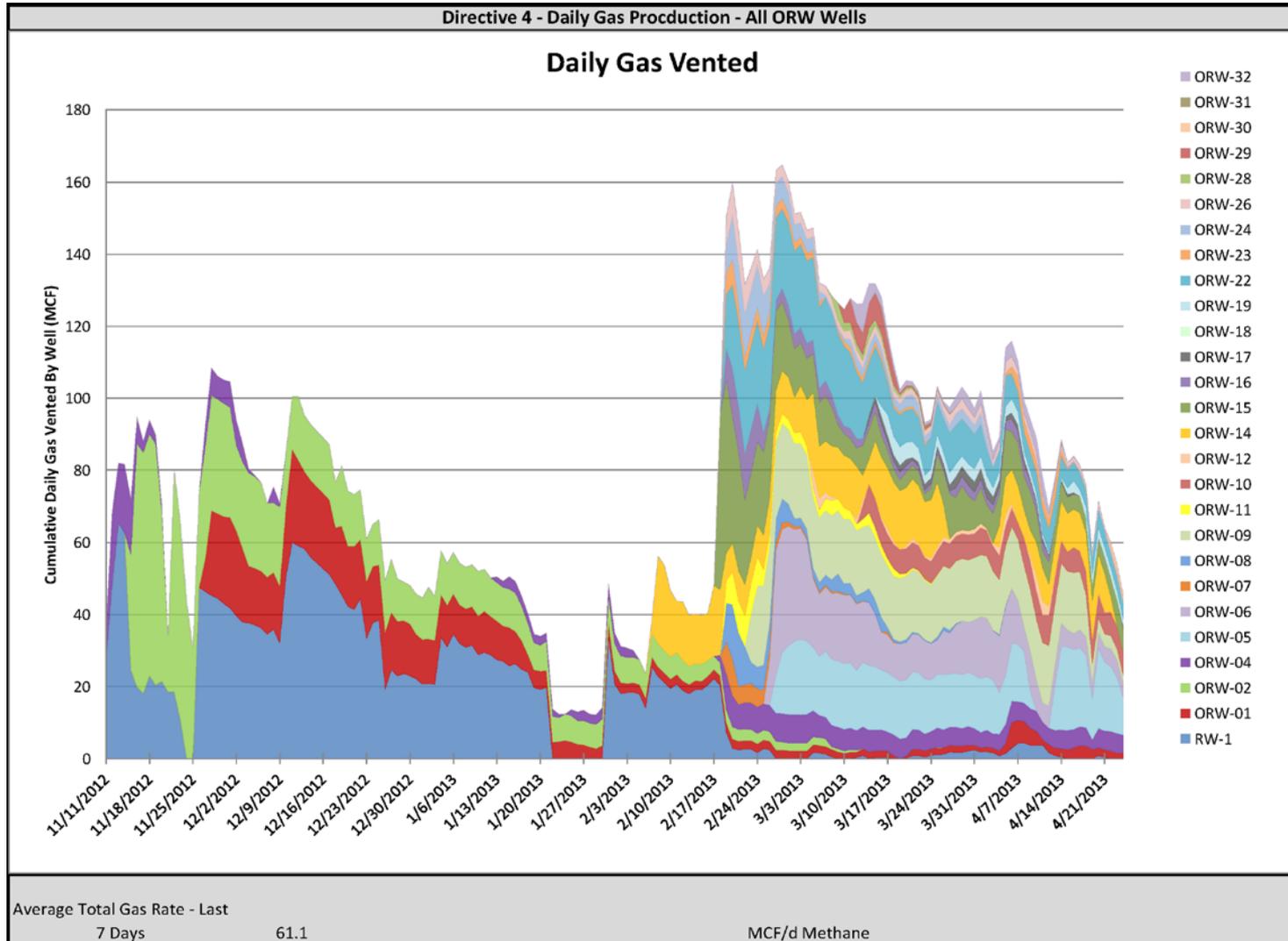


Sinkhole Volume (Cubic Yards)



- Current sinkhole area—15.1 acres (defined by -10 foot depth contour)
- Total settlement area—37.5 acres
- Area increased 2.7 acres in past month and volume increased 300,000 yd³
- Western 60 feet of Oxy 3 pad collapsed in late March and early April





Assumption Parish



Location: LA - Object: SINK HOLE 4-13

LA CAP MISSION# 13-C-5189 SORTIE# A001 Lat=N30 00' 39.52" Lon=W091 08' 33.72" Alt=1500ft MSL