



OPUS SOLUTION REPORT

TEXAS BRINE COMPANY, LLC

BAYOU CORNE, LOUISIANA

May 2013

FENSTERMAKER, LLC JOB NO. 2139115.00C

As part of the Bayou Corne Subsidence Survey, Trimble GPS Receivers were placed on three existing NGS style monuments titled GPS 1, GPS 3 and GPS 4. The Trimble GPS Receivers logged satellite data for at least 4 hours. The raw data from these static logging sessions were sent to National Geodetic Survey web site "OPUS" for processing.

Monument GPS 1

NGS OPUS Solution Report

File: TR3658192152526

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NAD 83(2011)(EPOCH:2010.0)	NAD 83(2011) LA SOUTH 1702	NAD 27 LA SOUTH 1702
Lat.= 30°00'46.46568"	Northing=550,261.18	Northing=489,556.18
Long.= 91°06'01.24781"	Easting=3,354,571.47	Easting=2,073,771.96
Ellipsoidal Hgt. = -81.883 ft.		
Orthometric Hgt. = 4.882 ft. (Geoid 12A)		

File: TR3658531060945

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NAD 83(2011)(EPOCH:2010.0)	NAD 83(2011) LA SOUTH 1702	NAD 27 LA SOUTH 1702
Lat.= 30°00'46.46604"	Northing=550,261.22	Northing=489,556.22
Long.= 91°06'01.24770"	Easting=3,354,571.48	Easting=2,073,771.97
Ellipsoidal Hgt. = -81.883 ft.		
Orthometric Hgt. = 4.882ft. (Geoid 12A)		



Monument GPS 3

File: TR3661867033965

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NAD 83(2011)(EPOCH:2010.0)	NAD 83(2011) LA SOUTH 1702	NAD 27 LA SOUTH 1702
Lat.= 30°01'00.90841"	Northing=551,698.47	Northing=490,993.47
Long.= 91°08'12.84632"	Easting=3,342,999.62	Easting=2,062,200.19
Ellipsoidal Hgt. = -84.613 ft.		
Orthometric Hgt. = 2.231 ft. (Geoid 12A)		

File: TR3662299224231

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NAD 83(2011)(EPOCH:2010.0)	NAD 83(2011) LA SOUTH 1702	NAD 27 LA SOUTH 1702
Lat.= 30°01'00.90836"	Northing=551,698.46	Northing=490,993.47
Long.= 91°08'12.84626"	Easting=3,342,999.62	Easting=2,062,200.20
Ellipsoidal Hgt. = -84.649 ft.		
Orthometric Hgt. = 2.195 ft. (Geoid 12A)		

Monument GPS 4

File: TR3666687221064

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NAD 83(2011)(EPOCH:2010.0)	NAD 83(2011) LA SOUTH 1702	NAD 27 LA SOUTH 1702
Lat.= 30°00'23.53168"	Northing=547,921.55	Northing=487,216.61
Long.= 91°08'21.07803"	Easting=3,342,282.36	Easting=2,061,482.91
Ellipsoidal Hgt. = -85.213 ft.		
Orthometric Hgt. = 1.532 ft. (Geoid 12A)		

File: TR3669151464246

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NAD 83(2011)(EPOCH:2010.0)	NAD 83(2011) LA SOUTH 1702	NAD 27 LA SOUTH 1702
Lat.= 30°00'23.53104"	Northing=547,921.48	Northing=487,216.54
Long.= 91°08'21.07882"	Easting=3,342,282.29	Easting=2,061,482.84
Ellipsoidal Hgt. = -85.292 ft.		
Orthometric Hgt. = 1.453 ft. (Geoid 12A)		

