



TEXAS BRINE COMPANY, LLC

VERTICAL SURVEY OF WELLS, MONUMENTS, LADOT NAILS, GEOPROBE WELLS AND INSAR REFLECTORS

February - May of 2013

FENSTERMAKER, LLC

JOB NO. 2139115.00C

Feature	Survey February 2013				Survey March 2013				Survey May 2013				Comparison	
	Elevation	Separation	Adjusted Elev.	Date	Elevation	Separation	Adjusted Elev.	Date	Elevation	Separation	Adjusted Elev.	Date	May 2013 to March 2013	May 2013 to Feb. 2013
GPS 1 (Held)	5.906			2/18/2013	5.906			3/18/2013	5.906			5/20/2013	X	X
DOW MON 7	2.473			2/18/2013	2.456			3/18/2013	2.445			5/20/2013	-0.011	-0.028
GGBM MON 2	2.638			2/19/2013	2.629			3/19/2013	2.612			5/21/2013	-0.017	-0.026
GPS 3	3.200			2/19/2013	3.190			3/19/2013	3.176			5/21/2013	-0.014	-0.024
GPS 4	2.557			2/22/2013	2.532			3/22/2013	2.507			5/24/2013	-0.025	-0.050
ENRON MON. #4	3.136			2/20/2012	3.116			3/20/2013	3.104			5/22/2013	-0.012	-0.032
ENRON MON. #1	2.056			2/20/2012	2.037			3/20/2013	2.018			5/22/2013	-0.019	-0.038
ENRON MON. #2	1.846			2/20/2012	1.829			3/20/2013	1.804			5/22/2013	-0.025	-0.042
ENRON RAWMAKER WELL #1	4.054	0.693	3.361	2/20/2012	4.035	0.697	3.338	3/20/2013	4.010	0.684	3.326	5/22/2013	-0.012	-0.035
ENRON MON. #3	1.240			2/20/2012	1.218			3/20/2013	1.190			5/23/2013	-0.028	-0.050
BRIDGELINE WELL MON#1	2.593			2/27/2013	2.575			3/20/2013	2.541			5/23/2013	-0.034	-0.052
BRIDGELINE WELL MON#2	2.340			2/20/2012	2.320			3/20/2013	2.292			5/22/2013	-0.028	-0.048
ENRON WELL #2 Propane	3.567	0.696	2.871	2/20/2012	3.546	0.698	2.848	3/20/2013	3.518	0.697	2.821	5/23/2013	-0.027	-0.050
BRIDGELINE WELL MON#3	2.923			2/20/2012	2.905			3/20/2013	2.874			5/23/2013	-0.031	-0.049
BRIDGELINE WELL MON#4	4.240			2/20/2012	4.221			3/20/2013	4.191			5/23/2013	-0.030	-0.049
ENRON GAS WELL#1 Storage	6.369	0.848	5.521	2/20/2012	6.348	0.849	5.499	3/20/2013	6.322	0.846	5.476	5/23/2013	-0.023	-0.045
OXY MON. #3	2.579			2/22/2013	2.539			3/21/2013	2.410			5/24/2013	-0.129	-0.169
OXY MON. #5	2.372			2/21/2012	2.352			3/21/2013	2.340			5/23/2013	-0.012	-0.032
OXY MON. #4	2.194			2/21/2012	2.175			3/21/2013	2.158			5/23/2013	-0.017	-0.036
OXY GEISMAR NO. 1 (HOOKER WELL #6)	10.229	0.523	9.706	2/21/2012	10.204	0.523	9.681	3/21/2013	10.181	0.521	9.660	5/23/2013	-0.021	-0.046
OXY GEISMAR NO. 2 (HOOKER WELL #7)	10.307	0.758	9.549	2/21/2012	10.277	0.758	9.519	3/21/2013	10.237	0.758	9.479	5/24/2013	-0.040	-0.070
OXY GEISMAR NO. 3 (HOOKER WELL #8)	5.259	Punch Mark on Casing		2/21/2012	5.221			3/21/2013	5.169			5/24/2013	-0.052	-0.090
OXY WELL #9	7.741	0.835	6.906	2/22/2013	7.714	0.835	6.879	3/21/2013	7.690	0.832	6.858	5/24/2013	-0.021	-0.048
OXY WELL #10	10.027	0.871	9.156	2/22/2013	10.001	0.870	9.131	3/22/2013	9.981	0.869	9.112	5/24/2013	-0.019	-0.044

Elevations on wells are measured to the top flange. The Separation between valves is then measured down to top of Bradenhead valve. The Separation is subtracted from the Elevation to provide the Adjusted Elevation.



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Louisiana Department of Transportation Nails														
LADOT 500	7.051			2/20/2018	7.023			3/20/2013	7.009			5/22/2013	-0.014	-0.042
LADOT 501	6.805			2/20/2017	6.771			3/20/2013	6.757			5/22/2013	-0.014	-0.048
LADOT 502	6.780			2/20/2016	6.753			3/20/2013	6.736			5/22/2013	-0.017	-0.044
LADOT 503	6.866			2/20/2015	6.845			3/20/2013	6.833			5/22/2013	-0.012	-0.033
LADOT 504	6.824			2/20/2014	6.803			3/20/2013	6.799			5/22/2013	-0.004	-0.025
LADOT 505	6.426			2/20/2013	6.401			3/20/2013	6.373			5/22/2013	-0.028	-0.053
LADOT 506	6.679			2/20/2012	6.655			3/20/2013	6.642			5/21/2013	-0.013	-0.037
LADOT 507	6.482			2/19/2013	6.462			3/19/2013	6.446			5/21/2013	-0.016	-0.036
LADOT 511 (Add. Nail Found)	6.544			2/20/2012	6.519			3/20/2013	6.508			5/22/2013	-0.011	-0.036
LADOT 513	6.149			2/19/2013	6.137			3/19/2013	6.112			5/21/2013	-0.025	-0.037
LADOT 514	6.526			2/19/2013	6.518			3/19/2013	6.505			5/21/2013	-0.013	-0.021
LADOT 515	5.833			2/19/2013	5.824			3/19/2013	5.804			5/21/2013	-0.020	-0.029
LADOT 516	6.049			2/19/2013	6.040			3/19/2013	6.02			5/21/2013	-0.020	-0.029
LADOT 517	7.464			2/19/2013	7.457			3/19/2013	7.443			5/21/2013	-0.014	-0.021
LADOT 518 (Add. Nail Found)	8.082			2/19/2013	8.072			3/19/2013	8.054			5/21/2013	-0.018	-0.028
LADOT 519	7.655			2/19/2013	7.638			3/19/2013	7.626			5/21/2013	-0.012	-0.029
LADOT 520	6.502			2/19/2013	6.481			3/19/2013	6.470			5/21/2013	-0.011	-0.032
LADOT 521	7.279			2/20/2012	7.253			3/20/2013	7.238			5/22/2013	-0.015	-0.041
LADOT 522	7.278			2/21/2012	7.254			3/20/2013	7.244			5/22/2013	-0.010	-0.034
LADOT 523	9.546			2/21/2012	9.520			3/20/2013	9.513			5/23/2013	-0.007	-0.033
LADOT 524	7.668			2/21/2012	7.645			3/20/2013	7.635			5/23/2013	-0.010	-0.033
LADOT 525 (Add. Nail Found)	7.618			2/21/2012	7.597			3/21/2013	7.581			5/23/2013	-0.016	-0.037
LADOT 526	8.707			2/21/2012	8.685			3/21/2013	8.672			5/23/2013	-0.013	-0.035



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RESPEC Geoprobe Wells														
GP-1	3.737	0.358	3.379	2/25/2012	3.708	0.361	3.347	3/22/2013	3.706	0.350	3.356	5/23/2013	0.009	-0.023
GP-2	4.499	0.418	4.081	2/25/2012	4.470	0.389	4.081	3/22/2013	4.465	0.392	4.073	5/23/2013	-0.008	-0.008
GP-3	5.032	0.390	4.642	2/26/2013	5.001	0.401	4.600	3/22/2013	4.988	0.425	4.563	5/24/2013	-0.037	-0.079
GP-4	4.500	0.372	4.128	2/25/2012	4.475	0.365	4.110	3/22/2013	4.468	0.365	4.103	5/24/2013	-0.007	-0.025
GP-5	4.949	0.391	4.558	2/22/2013	4.923	0.428	4.495	3/21/2013	4.918	0.378	4.540	5/24/2013	0.045	-0.018
GP-6	5.622	0.351	5.271	2/22/2013	5.599	0.428	5.171	3/21/2013	5.586	0.380	5.206	5/23/2013	0.035	-0.065
BM-5 (Monument)	4.979		4.979	2/27/2013	4.965		4.965	3/21/2013	5.024	0.065	4.959	5/24/2013	-0.006	-0.020
Shaw Group Geoprobe Wells														
NSDMW001	4.022	0.351	3.671	2/22/2013	4.127	0.471	3.656	3/21/2013	4.106	0.470	3.636	5/28/2013	-0.020	-0.035
NSDMW002	4.666	0.382	4.284	2/22/2013	4.820	0.561	4.259	3/21/2013	4.805	0.550	4.255	5/28/2013	-0.004	-0.029
NSDMW003	4.367	0.348	4.019	2/21/2013	4.626	0.621	4.005	3/21/2013	4.606	0.610	3.996	5/28/2013	-0.009	-0.023
NSDMW004	3.328	0.382	2.946	2/22/2013	3.427	0.488	2.939	3/21/2013	3.406	0.485	2.921	5/23/2013	-0.018	-0.025
NSDMW005	2.914	0.428	2.486	2/21/2013	3.118	0.621	2.497	3/21/2013	3.090	0.620	2.470	5/28/2013	-0.027	-0.016
NSDMW006	3.185	0.432	2.753	2/22/2013	3.339	0.551	2.788	3/21/2013	3.326	0.550	2.776	5/28/2013	-0.012	0.023
NSDMW007	4.012	0.572	3.440	2/26/2012	3.971	0.601	3.370	3/25/2013	3.957	0.580	3.377	5/28/2013	0.007	-0.063
NSDMW008	3.857	0.620	3.237	2/26/2012	3.820	0.631	3.189	3/25/2013	3.807	0.620	3.187	5/28/2013	-0.002	-0.050
NSDMW009	4.462	0.456	4.006	2/26/2012	4.451	0.491	3.960	3/25/2013	4.434	0.490	3.944	5/28/2013	-0.016	-0.062
NSDMW010	4.185	0.662	3.523	2/26/2012	4.170	0.671	3.499	3/25/2013	4.153	0.660	3.493	5/28/2013	-0.006	-0.030
NSDMW011	2.563	0.661	1.902	2/27/2012	2.550	0.631	1.919	3/25/2013	2.529	0.620	1.909	5/29/2013	-0.010	0.007
NSDMW012	2.769	0.681	2.088	2/27/2012	2.755	0.601	2.154	3/25/2013	2.734	0.610	2.124	5/29/2013	-0.030	0.036
NSDMW013	4.130	0.618	3.512	2/26/2012	4.129	0.631	3.498	3/25/2013	4.107	0.610	3.497	5/29/2013	-0.001	-0.015
NSDMW014	3.708	0.579	3.129	2/26/2012	3.699	0.601	3.098	3/25/2013	3.679	0.570	3.109	5/29/2013	0.011	-0.020
NSDMW015	4.291	0.432	3.859	2/25/2012	4.479	0.611	3.868	3/21/2013	4.465	0.605	3.860	5/24/2013	-0.008	0.001
NSDMW016	5.246	0.448	4.798	2/25/2012	5.305	0.551	4.754	3/21/2013	5.287	0.500	4.787	5/24/2013	0.033	-0.011
NSDMW017	4.329	0.700	3.629	2/26/2012	4.305	0.703	3.602	3/22/2013	4.295	0.680	3.615	5/24/2013	0.013	-0.014

Elevations on Geoprobe wells are to the top of the valve or bull plug. Separations is measured from the valve or bull plug to the top of the PVC Casing. The Separation is subtracted from the Elevation to provide an Adjusted Elevation.



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Additional Relief Wells														
ORW 12	8.058			2/25/2013	8.000			3/21/2013	Behind Barricades			5/23/2013	X	X
NSDORW001	7.794			2/26/2013	7.776			3/25/2013	7.766			5/28/2013	-0.010	-0.028
NSDORW002	8.320			2/26/2013	8.278			3/25/2013	8.279			5/28/2013	0.001	-0.041
NSDORW003	7.329			2/21/2013	7.320			3/21/2013	7.298			5/28/2013	-0.022	-0.031
NSDORW015	7.318			2/26/2013	7.282			3/25/2013	7.28			5/28/2013	-0.002	-0.038
NSDORW022	Wells were not drilled or Functioning				Wells were not drilled or Functioning				8.687	0.167	8.52	5/24/2013	X	X
NSDORW023									8.281	0.173	8.108	5/24/2013	X	X
NSDORW024									9.064	0.172	8.892	5/24/2013	X	X
TBC No. 2 Relief Well	6.225			2/25/2013	6.152			3/21/2013	In Water			5/23/2013	X	X
Miller and Associates Points														
TBM 30 (Rebar)	3.832			2/21/2013	3.392			3/21/2013	Destroyed			5/23/2013	X	X
BASE POINT A (Rebar)	6.629			2/22/2013	6.602			3/21/2013	6.579			5/24/2013	-0.023	-0.050
REFERENCE POINT A (Iron Pipe)	5.801			2/22/2013	5.774			3/22/2013	5.752			5/24/2013	-0.022	-0.049
Transducer Elevations (Top of PVC)														
Transducer Pad 3 Dome Elevation	5.208			2/21/2013	5.160			3/21/2013	5.063			5/23/2013	-0.097	-0.145
Transducer Pad 3 NAVD 88 Geoid 12	4.177			2/25/2013	X				X					
InSAR Reflectors Land Based														
AR-1	6.056	7.940	13.996	2/27/2013	6.032	7.948	13.980	3/21/2013	6.021	7.940	13.961	5/23/2013	-0.019	-0.035
AR-6	4.786	6.605	11.391	2/21/2013	4.760	6.555	11.315	3/21/2013	4.724	6.561	11.285	5/23/2013	-0.030	-0.106
AR-7	4.924	6.520	11.444	2/21/2013	4.899	6.520	11.419	3/21/2013	4.863	6.520	11.383	5/23/2013	-0.036	-0.061
AR-8	5.319	7.170	12.489	2/21/2013	5.288	7.172	12.460	3/21/2013	5.264	7.187	12.451	5/23/2013	-0.009	-0.038
AR-10					5.905	9.960	15.865	3/25/2013	5.843	9.920	15.763	5/29/2013	-0.102	X
AR-13	5.980	9.945	15.925	2/21/2013	5.905	9.960	15.865	3/21/2013	5.82	9.920	15.74	5/29/2013	-0.125	-0.185
AR-17	4.841	5.422	10.263	2/22/2013	4.813	5.440	10.253	3/21/2013	4.793	5.430	10.223	5/24/2013	-0.030	-0.04
AR-19	3.560	6.443	10.003	2/22/2013	3.533	2.445	5.978	03/22/2013	3.514	6.444	9.958	5/24/2013	3.980	-0.045
AR-20	5.789	10.290	16.079	2/21/2013	5.720	10.315	16.035	3/21/2013	5.538	10.325	15.863	5/23/2013	-0.172	-0.216

Elevations are to a rod placed at the base of the reflectors. The Separation is then measured up to the top base of the reflector. The Separation is then added to the Elevation to determine Adjusted Elevation.