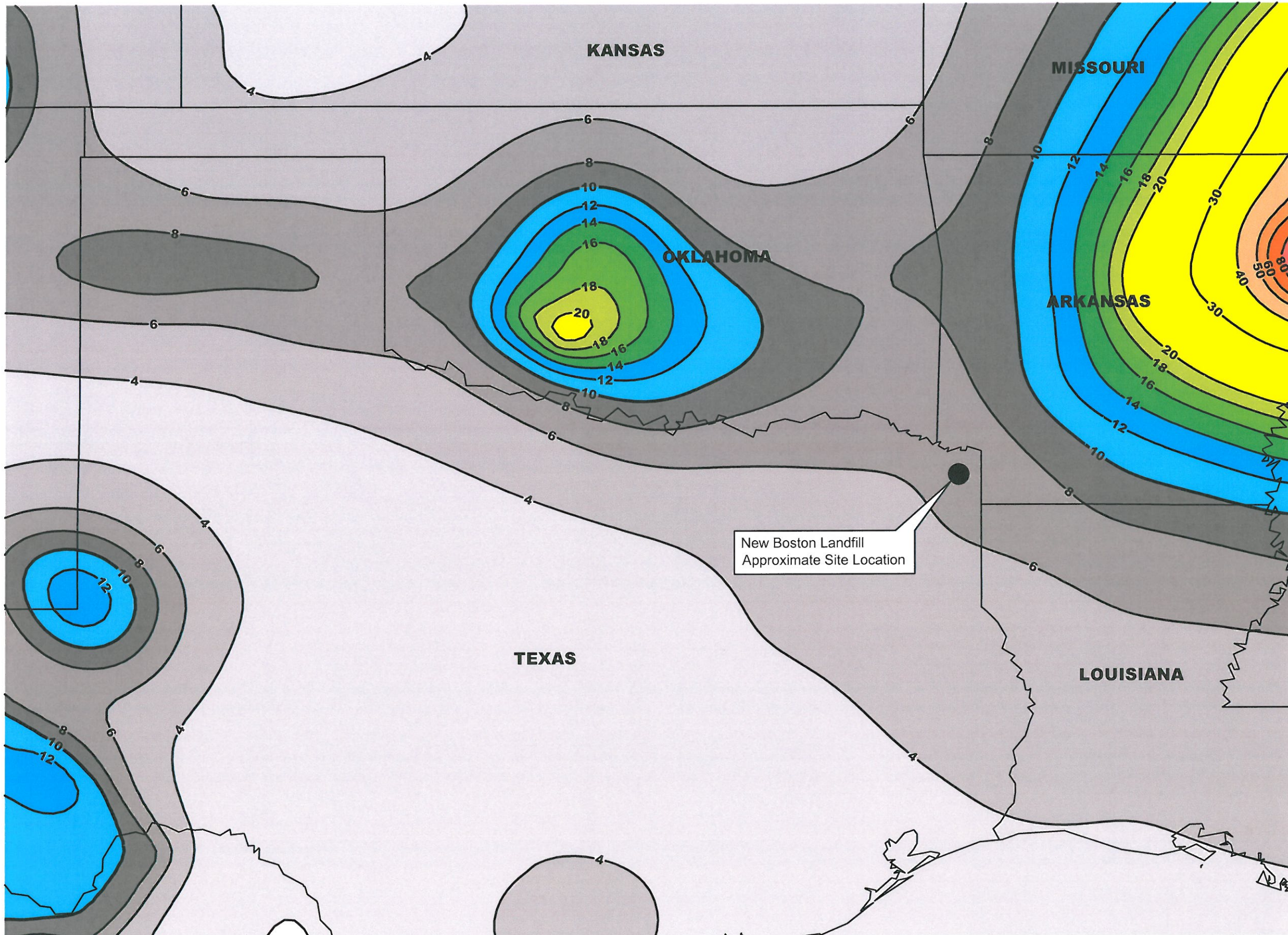


NEW BOSTON LANDFILL
APPENDIX E4
FAULT AND SEISMIC DATA

Seismic Impact Zone Map.....E4-1
Location of Gas Producing WellsE4-2
Plugging Reports Oil/Gas Well..... E4-3 through E4-9





NOT TO SCALE

LEGEND

— 2% CONTOURS OF PEAK HORIZONTAL ACCELERATION

NOTE:

1. THE FACILITY LIES IN AN AREA OUTSIDE THE 10% SEISMIC IMPACT ZONE CONTOUR DEMONSTRATING THAT THE FACILITY HAS A 90% OR GREATER PROBABILITY THAT THE MAXIMUM HORIZONTAL ACCELERATION WILL NOT BE EXCEEDED IN 250 YEARS AS REQUIRED BY SUBCHAPTER M, LOCATION RESTRICTIONS, §330.557—SEISMIC IMPACT ZONES.



SEISMIC IMPACT ZONE MAP

**WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION**



**BIGGS & MATHEWS
ENVIRONMENTAL
CONSULTING ENGINEERS
MANSFIELD • WICHITA FALLS
817-563-1144**

ISSUED FOR PERMITTING PURPOSES ONLY

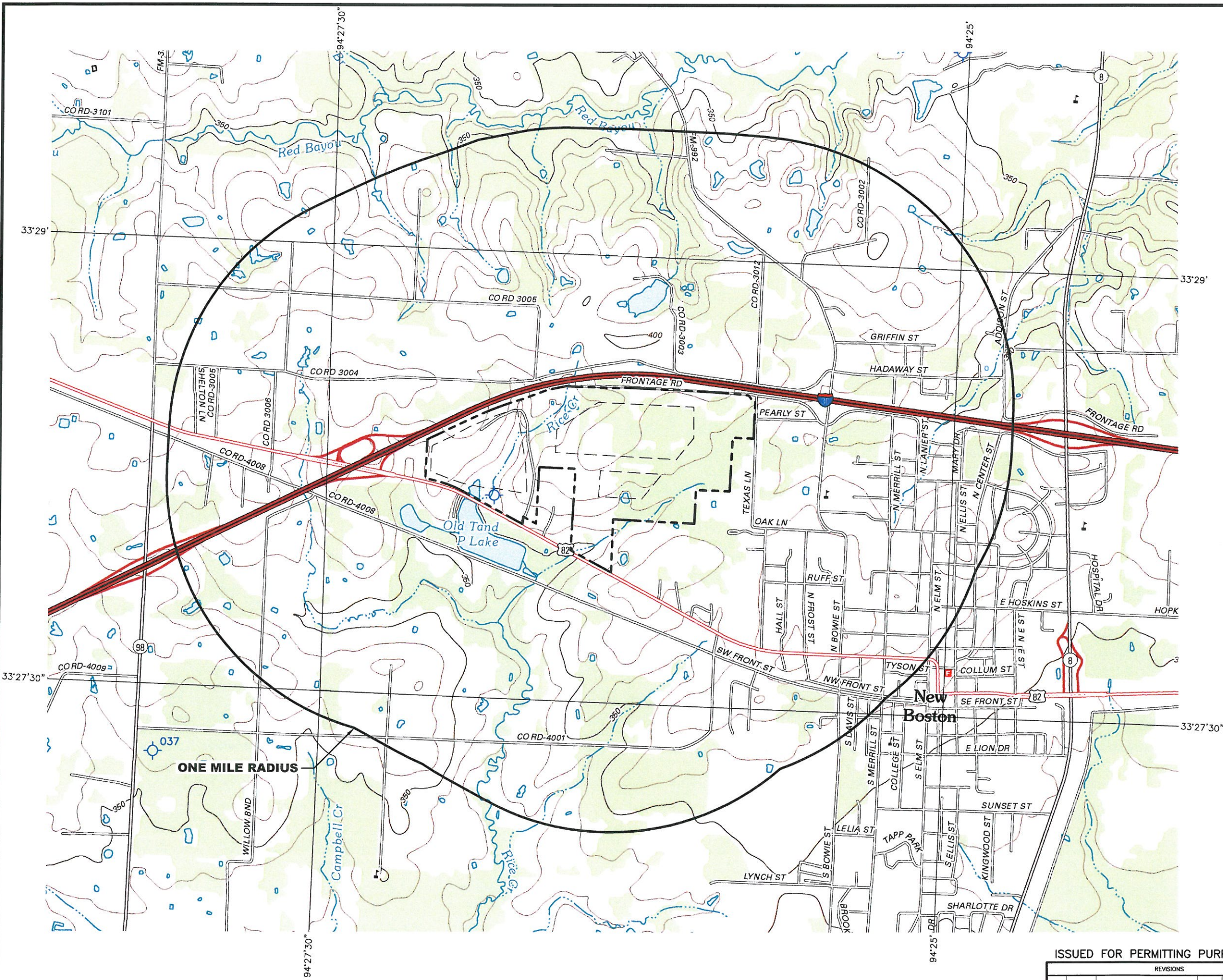
Source: USGS Interactive National Seismic Hazard Maps - 2008
Peak Horizontal Acceleration (%g) with 2% Probability of Exceedance in 50 years
[Equivalent to 10% Probability of Exceedance in 250 years]
URL: <http://earthquake.usgs.gov/hazards/apps/gis>

REVISIONS						TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. EAF DATE : 11-10 DWN. SRC SCALE : GRAPHIC CHK. JMS DWG : E4-1_Seismic.dwg

**DRAWING
E4-1**

J:\101\05\112\Att E\4-1_Seismic.dwg Layout: Layout1 User: scundiff

J:\101\05\112\Att E\E4-2_GasWells.dwg Layout: E4-2 User: scundiff



NEW BOSTON, TX
2012

ROAD CLASSIFICATION

Interstate Route	State Route
US Route	Local Road
Ramp	4WD

Interstate Route
 US Route
 State Route

LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- ONE MILE RADIUS
- SURFACE WATER BODY OR OTHER WATER
- DRY HOLE

- NOTE:**
1. TOPOGRAPHIC BASE MAP DOWNLOADED FROM USGS WEBSITE ON FEBRUARY 6, 2013.
 2. NO PRODUCING OIL AND GAS WELLS WERE IDENTIFIED IN THE 1 MILE RADIUS OF THE FACILITY.



LOCATION OF GAS PRODUCING WELLS

WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION



BIGGS & MATHEWS
ENVIRONMENTAL
CONSULTING ENGINEERS
MANSFIELD
DALLAS • WICHITA FALLS
817-563-1144

ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS				TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	

DSN. KJW	DATE : 05/13	DRAWING E4-2
DWN. SRC	SCALE : GRAPHIC	
CHK. JMS	DWG : E4-2_GasWells.dwg	

Tracking# 19034

State of Texas
PLUGGING REPORT

A. WELL IDENTIFICATION AND LOCATION DATA

OWNER: N. TX Mkt. Area Waste Mgmt. ADDRESS: P. O. Box 400 Ferris TX 75125
 ADDRESS OF WELL: Hwy 82 & I-30 New Boston TX 75570
 County: Bowie Latitude: 332807 Longitude: 942644 Brand/Model of GPS: Garmin eTrex
 OWNER'S WELL NO. No data
 WELL TYPE (Check) Water Monitor Injection De-Watering

B. HISTORICAL DATA ON WELL TO BE PLUGGED (if available)

Driller: No data License No.:
 Date Drilled: State Well Report Tracking No.
 Diameter of hole: inches. Total Depth of well: feet.

C. CURRENT PLUGGING DATA

Date well plugged: 8/17/2004 Name of Driller/Pump Installer who actually performed the plugging operations: Sammy Smith 54658W

Method of Plugging:

- Tremmie pipe cement from bottom to top
- Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet
- Pour in 3/8 bentonite chips when standing water in well is less than 100 feet in depth, cement top 2 feet
- Large diameter well filled with clay material from top to bottom
- Other, Explained in comments section

Plugging Variance No.

Casing and cementing data relative to the plugging operations:

Casing Left In Well:				Materials Used for Plugging Well:		
Diameter (inches)	From (feet)	To (feet)	From (feet)	To (feet)	Sack(s) of Cement (or specify other) Used	
8	surface	no data	0	50	Bentonite Hole Plug	

Comments:

Well was most likely an abandoned oil/gas well. There was a hard plug at about 50 feet. Well was plugged from 50' to surface with Bentonite.

D. VALIDATION OF INFORMATION INCLUDED IN FORM

I certify that I plugged this well (or the well was plugged under my supervision) and that each and all of the statements herein are true and correct. I understand that failure to complete items 1 thru 13 will result in the report(s) being returned for completion and resubmittal.

Company or Individual's Name: Apex Geoscience, Inc.
 Address: 2120 Brandon Tyler TX 75703
 Signatures: Licensed Driller/Pump Installer Trainee/Apprentice Apprentice Lic. No.
 Lic# 54289 Jim Markle (As Signature) (As Signature)

48859

Please Refer to
File No. _____

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form 4
REGISTRATION REPORT

FILE IN DUPLICATE WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED

Company **W. T. Phillips et al** Address **Box 572, Mt. Pleasant, Texas**
 Sect. No. _____ Block No. _____ Survey **John Kittrell** County **Bowie**
 Well No. **1** Name of Lease **M. T. & P. RRY. Co.** No. of Acres **200**
 Name of Field in which well is located **Wildcat** Date well was plugged **June 24, 63**
 Form 1 (Notice of Completion) (Title) was filed in Name of **W. T. Phillips et al**
 Character of well at the time of completion Oil **no** Gas **no** Oil & Gas **no** **yes**
 Amount well producing when plugged Oil **none** Gas **none** Oil & Gas **none** **none**
 Has this well ever produced oil or gas? **no**
 Total Depth **6969** feet. Top of each productive sand **none**
 Was the well filled with mud-later fluid, according to regulations of the Railroad Commission? **yes**

How was mud applied? **circulated through drill pipe by pump**
 Were plugs used? **yes** If so, show all of them left in the well with depth placed and kind of plugs used, and depth placed. Also amount of cement used. Was well abandoned? **no**
20 sks @ 6675-6725; 20 sks @ 4650-4700; 20 sks @ 2825-2875; 25 sks @ 700-775; 10 sks @ surface.

SIZE PIPE	PUT IN WELL		PULLED OUT		LEFT IN WELL		PACKERS AND SPACERS
	Fe	In.	Fe	In.	Fe	In.	
8 5/8	-	-	-	-	736	-	

RECEIVED

How depth found and thickness of all water, oil and gas formations **none**
 Have all abandoned wells on this lease been plugged according to Commission's rules? **yes**
 Manner of confining all oil, gas or water to strata **mud and cement**

The names of adjacent lease, royalty and landowners with their addresses in each instance as follows
Humble Oil & Ref. Co., Tyler, Texas - leaseowner
Guy Larue, Robert B. Briggs, Eschol Duttoise, W. L. Feuzell, Homer Fowler, and S. A. Collum - all at New Boston - Land owners

Was notice given before plugging to all available adjacent lease owners as required by Rule 10? **yes**

Carl Reed, Agent

Carl Reed Agent

Witnessed and attested my hand and the seal of the Commission this _____ day of _____ 1963

Titus

Box 572, Mt. Pleasant, Texas

48859

APPLICATION FOR PERMIT TO ABANDON
AND USE AS A WATER WELL

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Austin, Texas

As owners in fee simple of the land on which W. T. Phillips et al
drilled a well for oil and gas in Bowie County, to wit,
T & P Railroad Co. #1, the same about to be plugged and abandoned, we hereby
file application for permit to make use of the fresh water therein when the well is
properly plugged back to the approximate depth of 700 feet.

In consideration of the granting of this application, we hereby obligate
ourselves to complete the plugging of said well any time it becomes polluted with
mineral water, or constitutes a menace to any oil or gas producing strata in that
area, when so ordered by the Railroad Commission of Texas or its representatives.

/s/ HINTON PRODUCTION COMPANY
Agent

By: Carl Reed
Carl Reed

STATE OF TEXAS ()

COUNTY OF Titus ()

Before me, a Notary Public, in and for Titus County, Texas, on
this day personally appeared Carl Reed known to me to be
the person whose name is subscribed to the foregoing instrument, and acknowledged
to me that he executed the same for the purposes and consideration therein ex-
pressed, and in the capacities therein stated.

Given under my hand and seal of office this the 25th day of June,
A. D., 1983.

/s/ W. L. Tucker
Notary Public in and for Titus
County, Texas

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6-7-63

48859

Application to Drill,
Deepen or Plug Back.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form 1
RECEIVED

STATE WHETHER THIS IS AN APPLICATION TO DRILL, DEEPEN OR PLUG BACK Drill
SHALL BE FILED IN DUPLICATE (IN TRIPPLICATE IF RULE 37) WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED
DATA FURNISHED ON THIS FORM AND ANY ATTACHMENT HERETO MUST BE CLEARLY LEGIBLE
ANY ILLEGIBLE FORM WILL BE RETURNED WITHOUT COMMISSION RECEIPT
(Black Ink or Black Typewriter Ribbon Preferred)

READ CAREFULLY AND
COMPLY FULLY

In order that it may be ascertained whether or not the proposed location covered by this notice conforms to the applicable spacing regulations set down by the Railroad Commission, there are two important footages that must be shown, that is, THE NEAREST DISTANCE OF PROPOSED LOCATION FROM LEASE OR PROPERTY LINE AND DISTANCE OF PROPOSED LOCATION FROM THE NEAREST WELL ON THE SAME LEASE. Do not begin drilling operations on any location prior to filing Form 1 and until permit granted by the Commission has been received and waiting clause period has terminated.

For the purpose of this determination draw on the back side hereof a neat, accurate sketch, made to scale, for this lease, block, or lot locating thereon the proposed site for this location with reference to the two nearest lease lines. Also show the nearest wells on all sides of this location and the distance from the proposed location to those wells. In addition to the foregoing, unit boundary designations must be shown for each producing well on the lease and shall include proposed unit boundaries for the location herein applied for showing the acreage to be assigned this well. Give names and addresses of adjoining lease or property owners, and designate all property by lease and company name. You may attach a blue print showing this information if you so desire.

DO NOT CONFUSE SURVEY LINES WITH LEASE LINES. IF THE SKETCH OR BLUE PRINT SHOWS ONLY A SECTION, BLOCK, OR LOT OUT OF YOUR LEASE, DESIGNATE SAME AS BEING ONLY THAT PART OF THE LEASE.

Where the size of the tract will permit, use scale of one inch equating 1000 feet; if less than 2 acres use scale of one inch equating 100 feet. DESIGNATE SCALE TO WHICH PLAT OR SKETCH IS DRAWN. ALSO DESIGNATE NORTHERLY DIRECTION ON THE SKETCH OR PLAT.

FILL IN BELOW IN THE SPACES RESERVED FOR THIS PURPOSE THE FOOTAGES ASKED FOR:

Nearest distance from proposed location to property or lease
650 feet

Distance from proposed location to nearest drilling, complete, or applied for well on same lease - feet

THE WELL(S) IN WHICH THIS WELL IS TO BE LOCATED IS (ARE) ASSIGNED TO ANY OTHER WELL IN ANY RESERVOIR NO

Date May 20 19 63

Name of company or operator _____

Name W. T. Phillips, et al

Address Winton Production Company

City Mt. Pleasant, Texas

Description of farm or lease: _____

Name of Lease T & P Railroad Company

Number of Acres 200 Well No. 1

Number of wells on lease None

Elevation Unknown Section No. _____ Block No. _____

Survey John Kittrell

Zone or Reservoir Smackover

To be Located in Wilcat Field

(If Wilcat state above, also state Distance and Direction from nearest Survey Lines.) 80' N of SL/Sec 660' FFL of
200 Ac. T & P Rd Co. tract, Bowie County

1 1/2 Miles _____ direction from

New Boston nearest post office or town

Rotary or Cable Tools ROTARY

Date work will start drilling when rig available

Depth to which you propose to drill 8,100 feet

Date work will start deepening _____

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

Name _____

Address _____

Note: Off set operator - Humble Oil & Refg. Co., Box 2025, Tyler, Texas.

28859

WILLIAM RITCHIE

A-492

W.T. Phillips et al

W. T. Phillips et al

W. T. Phillips et al.

80 Ac.

94 Ac.

S. A. Collum

W. L. Fessell

60 Ac

W. T. Phillips et. al.

W.T. Phillips et al

JOHN KITTRELL

A-329

25 Ac.

Homer Fowler

200 Ac.

Escher Duffose
Humble

W.T. Phillips et al

81.75 Ac

UNIT NO. 1

40 Ac

25 Ac.

W. L. Fessell

40' 262'

(Well location 80' FSL of Survey, 130' FCL or Higher)

W. T. Phillips et. al

T & P R. R. Co.

57.5 Ac.

Humble

Robert B. Briggs

Gray Larve.

87 Ac

Humble

Robert B. Briggs

48.6 Ac.

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Clifford R. Burleson

Oil & Gas Division
MT. PLEASANT, TEXAS

COLTON M. COLLUM

A-103

I certify that to the best of my knowledge the facts shown here are true and correct.

WELL LOCATION PLAT

W. T. PHILLIPS ET AL

T & P R. R. Co. No. 1 WELL

JOHN KITTRELL SURVEY

BOWIE COUNTY, TEXAS

Scale 1" = 1000'

a

48859

Please Refer
to File No. _____

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION**

Form 2A
Application
To Plug and
Well Record

FILE IN DUPLICATE WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH
WELL IS LOCATED FIVE FULL DAYS PRIOR TO PLUGGING

Company W. T. Phillips et al Address Box 572, Mt. Pleasant, Texas
Sec. No. _____ Block No. _____ Survey John Kittrell A-329 County Bowie
Well No. 1 Name of Lease T & P RRY. Co. No. of Acres 200 Elev. 374 DF.
Name of Field in which well is located Wildcat

Located 1/2 Miles West Direction from New Boston Nearest P. O. or Town _____

Form 1, "Notice of Intention to Drill," was filed in name of W. T. Phillips et al

Drilling Commenced June 8 1963. Drilling Completed June 24 1963

Has this well ever produced oil? No or Gas? No

Character of Well (Oil, Gas or Dry) Dry Total Depth 6969'

Date you wish to Plug June 24, 1963

Name of Party Plugging Well Halliburton Address Hawkins, Texas

Correspondence regarding this well should be sent to name Hinton Production Co.

Address Box 572, Mt. Pleasant, Texas

Initial Production of Gas: Volume (MCF) _____ 24 hrs. Pressure _____

Initial Production of Oil: Barrels _____

Give notice before plugging to all available lease owners, as required by Rule 110.

When plugging completed, file final Plugging Report, duly signed and sworn to. All necessary forms will be furnished by the Deputy Supervisor of District in which well is located.

NOTE: If no log available, so state and give all information that can be obtained as to total depth, whether or not completed, producing formation, water sands, and as near as possible date well was drilled.

RECEIVED

FILE IN DUPLICATE WITH DEPUTY SUPERVISOR OF DISTRICT IN WHICH WELL IS LOCATED FIVE FULL DAYS PRIOR TO PLUGGING

FORMATION RECORD

Show All Formations, Especially All Sands and Character and Contents Thereof

FORMATION	TOP	DEPTH	REMARKS
Clay	0	45	
Sand & shale	45	840	
Chalk	840	1070	
Chalk & shale	1070	2385	
Shale & Lime	2385	2886	
Sand & shale	2886	3360	
Shale & Lime	3360	3603	
Shale & Sand	3603	3931	
Shand & Lime	3931	4032	
Anhydrite & shale	4032	4186	
Shale	4186*	4231	
Shale & Lime	4231	4707	
Shale	4707	4763	
Shale & sand	4763	5215	
Shale & Lime	5215	5400	
Shale & Sand	5400	6550	
Shale, anhyd. & sand	6550	6708	
Lime	6708	6969	Total Depth

FORMATION	Mud & cement	Yes
Clay	none	
Sand & shale	none	
Chalk	none	
Chalk & shale	none	
Shale & Lime	none	
Sand & shale	none	
Shale & Lime	none	
Shale & Sand	none	
Shale, anhyd. & sand	none	
Lime	none	