

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date April 6, 2012

GAU File No.: SC- 7319

API Number 47500000

Attention: CRISTINA FINNNEY

RRC Lease No. 000000

SC_631506_47500000_000000_7319.pdf

PO&G OPERATING LLC
5847 SAN FELIPE
STE 3200
HOUSTON TX 77057
P-5# 631506

--Measured--

330 ft FEL

1320 ft FNL

MRL: SURVEY

Digital Map Location:	
X-coord/Long	103.04227
Y-coord/Lat	31.53555
Datum	27
Zone	

County WARD Lease & Well No. PO&G UNIVERSITY #1801 Purpose ND

Location SUR-UL, BLK-16, SEC-18, -- [TD=3000], [RRC 08],

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

The interval from the land surface to the base of the SANTA ROSA, which is estimated to occur at a depth between 925 and 1000 feet, must be protected.

Moreover, the interval from the land surface to a depth of 450 feet contains superior quality water which must be isolated from water in underlying beds.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

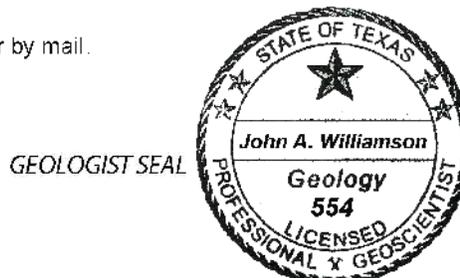
If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,



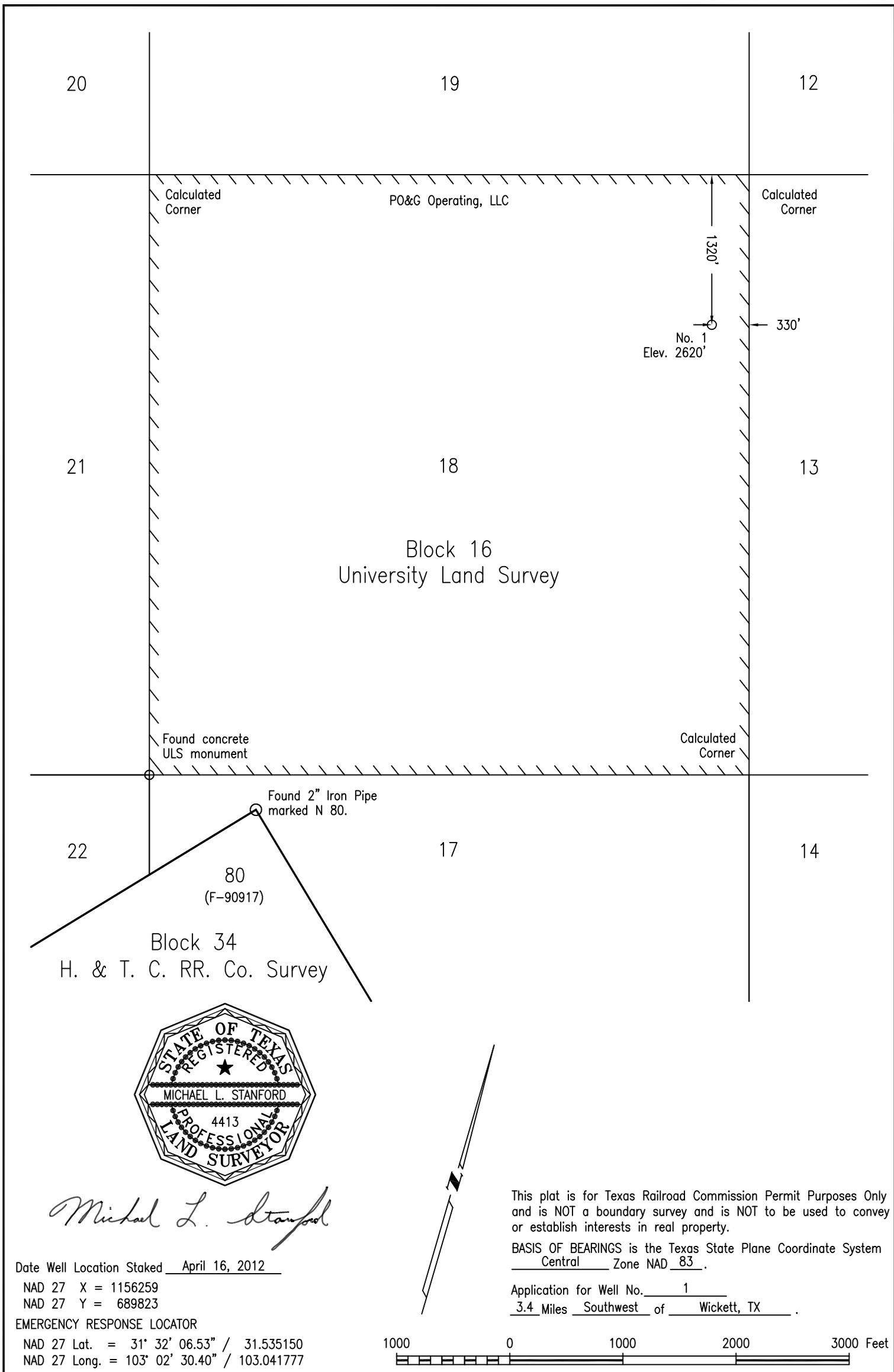
Digitally signed by John Williamson
DN: c=US, st=TEXAS, l=Austin,
o=Railroad Commission of Texas,
cn=John Williamson,
email=john.williamson@rrc.state.tx.us
Date: 2012.04.06 07:36:47 -05'00'

John A. Williamson, P.G.



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by John A. Williamson on 4/6/2012
Note: Alteration of this electronic document will invalidate the digital signature.



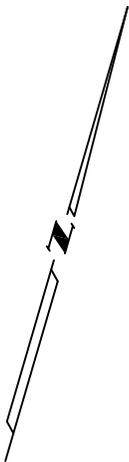
Michael L. Stanford

Date Well Location Staked April 16, 2012

NAD 27 X = 1156259
 NAD 27 Y = 689823

EMERGENCY RESPONSE LOCATOR

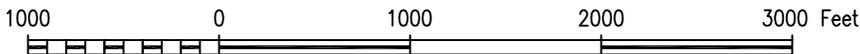
NAD 27 Lat. = 31° 32' 06.53" / 31.535150
 NAD 27 Long. = 103° 02' 30.40" / 103.041777



This plat is for Texas Railroad Commission Permit Purposes Only and is NOT a boundary survey and is NOT to be used to convey or establish interests in real property.

BASIS OF BEARINGS is the Texas State Plane Coordinate System
Central Zone NAD 83.

Application for Well No. 1
3.4 Miles Southwest of Wickett, TX.



P. O. & G. Operating, LLC
 University 18 No. 1 – 1320' FNL & 330' FEL
 Section 18, Block 16, University Land Survey
 Ward County, Texas

STANFORD SURVEYING COMPANY
 P.O. BOX 8490
 MIDLAND, TEXAS 79708-8490
 432-699-5708

DRAWN BY Joshua Naumann

DATE 4-17-2012

SCALE 1" = 1000'

FILE NAME A-6805