TEXAS BOARD OF PROFESSIONAL GEOSCIENTISTS

Licensure in the Geophysics Discipline



Texas Geophysics Examination Candidate Handbook

Established 2017, Revised March 20, 2020

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I. Licensure as a Professional Geoscientist and Certification as a Geoscientist-in-Training in the Geophysics Discipline

The Texas Board of Professional Geoscientists (TBPG) licenses Professional Geoscientists (PGs) in accordance with criteria set forth in the Texas Geoscience Practice Act (Geoscience Act) and the Rules of the Board. The TBPG issues licenses in three disciplines: Geology, Geophysics, and Soil Science.

According to TBPG rule §851.10 (22), Geophysics refers to the science which involves the study of the physical Earth by means of measuring its natural and induced fields of force, and its responses to natural and induced energy or forces, the interpretation of these measurements, applied with judgment to benefit or protect the public.

The requirements for licensure as a Professional Geoscientist (PG) are included in <u>TBPG rule §851.20</u>. (See Appendix 1)

In order to sit for the Texas Geophysics Examination a person must meet the educational and experience requirement (as applicable) and submit a complete application for licensure as a Professional Geoscientist or certification as a Geoscientist-in-Training in accordance with <u>TBPG rule §851.20</u>, and all necessary supplementary documentation (such as transcripts, foreign transcript evaluation, if appropriate, an examination request form, and the appropriate fees).

Forms, documentation, and fees required for PG Licensure:
A completed Application for P.G. Licensure (Form A) with \$255 application fee
Qualifying Work Experience Record
Examination Request (Form E) with \$25 fee administrative fee
☐ Texas Geophysics examination fee of \$175
Sealed official academic transcripts
Verification of Other Licenses (Form XII), as applicable
☐ Criminal/disciplinary/litigation history, as applicable
The requirements for GIT Certification are included in §851.40 Geoscientist-in-Training (GIT). (Appendix 1)
Forms, documentation, and fees required for GIT Certification:
A completed <u>TBPG Application for GIT Certification (Form H)</u> with \$25 application fee
Examination Request (Form E) with \$25 fee administrative fee
☐ Texas Geophysics examination fee of \$175
Sealed official academic transcripts
Verification of Other Licenses (Form XII), as applicable
☐ Criminal/disciplinary/litigation history, as applicable

An applicant who is determined to be eligible to take the exam will be contacted to schedule the examination administration date and time. The Texas Geophysics Examination is administered in the TBPG office in Austin, Texas, and can be scheduled at a time that is most convenient for the applicant and the Examination Administrator, during regular business hours.

II. Examination Special Accommodations Requests

It is the policy of the Texas Board of Professional Geoscientists to allow an examination candidate with documented disabilities who qualifies as disabled under the Americans with Disabilities Act (ADA) to take licensing examinations under special conditions. The goal of TBPG is to provide special and

reasonable consideration to disabled, qualified examinees who demonstrate functional limitations that affect their ability to take the exam.

For information and assistance regarding needs that fall under the ADA, or for more information about disability rights, contact the US ADA Information Line at 800/514-0301 (voice) or 800/514-0383 (TTY) or go to the ADA web site at (www.ada.gov).

Requesting exam accommodations

The goal of such accommodation is to ensure that the exam results for an individual with documented disabilities accurately reflect the individual's aptitude or achievement level (or whatever other factor the exam purports to measure) rather than the individual's impaired sensory, manual or speaking skills (except where those skills are the factors that the test purports to measure).

Typical special conditions that are approved include, but are not limited to:

- additional time up to 50%
- a separate examination area to control/minimize noise and distractions
- adjustment to the font/print size on an examination booklet
- a reader or recorder for individuals with mobility or vision impairments, who cannot read or write on their own

If a special accommodation is not requested in advance, the Examination Administrator cannot guarantee the availability of accommodation on site at the time of the examination administration.

Approval Process

The review/approval process may take up to 30 days and will not begin until all required documentation has been received by TBPG. Please account for processing time when planning to take the examination.

Texas Geophysics Examination (TGE) Special Accommodations Request

An exam candidate must indicate any need for accommodations during the examination registration process or upon application to sit for the examination. In order to qualify for special accommodation request, an examination candidate must:

- qualify as disabled under the Americans with Disabilities Act (ADA)
- notify TBPG upon application of the examination for which the candidate is requesting the special consideration
- submit a written statement from a doctor which documents that the examination candidate is disabled and describes the special conditions the candidate needs
- provide supporting documentation outlining the special needs of the candidate

Please Note: Additional documentation may be required. If additional documentation is requested, you will be provided a written letter detailing the required information.

III. Texas Geophysics Examination

A. Purpose and Design

The Texas Geophysics Examination (TGE) is the qualifying licensing examination for licensure as a Professional Geoscientist in the discipline of geophysics in Texas. In conjunction with Gainesville Independent Testing Service, TBPG has developed and now administers the Texas Geophysics Examination to qualify applicants for licensure as a Professional Geoscientist in the discipline of geophysics.

The Texas Geophysics Examination is the intellectual property of the Texas Board of Professional Geoscientists and the State of Texas. Action by any person that constitutes an unauthorized use of any portion of the Examination or that results in a breach in the security of the Examination may result in disciplinary action by the TBPG, civil action, and/or criminal prosecution.

TBPG works with Gainesville Independent Testing Service (GITS) to review the performance of the Texas Geophysics Examination and make improvements to the examination over time. The TGE is constructed and designed to assess the examinee's knowledge in the fundamentals and the practice of geophysics. Scoring is designed to identify whether the examinee possesses the minimum knowledge required to safely engage in the public practice of geoscience in Texas.

The TGE examination was developed by using the directed approach and following the practices and standards outlined in "Standards for educational and psychological testing" published by American Educational Research Association, American Psychological Association, and the National Council on Measurements in Education adopted in 1999 and published in the 2008 reprint, and the applicable standards listed by the National Association of State Contractor Licensing Agencies. Classic development procedures were used with support and direction of GITS, LLC staff and psychometrician Lena Zappo, PhD.

During the process of examination development, meetings were held in Austin and Houston, Texas, U.S.A. with the volunteer subject matter experts (SME) in attendance. There were four meetings held during the original development which included: Directed Task Analysis, Blueprint Development, Question Development, and Question Review and Scoring. Question scoring was performed using a modified Angoff Method wherein each SME estimates the difficulty of an question and how many first time takers would get the question correct using a base of 10 individuals to estimate from.

The revision process built upon the base of the original development and the following activities were undertaken: Blueprint review and revision, question review, new question development, and form review. The same standards and processes used during the original development were again applied to the revision cycle.

Scoring occurs through a multiple step quality control process. Each examination administration is graded and scored based upon the candidate's responses to the questions. Each administration will be scored manually and double checked through the multi-step data entry process with the final score being arrived at through the use of the computer based testing system wherein all results will be stored indefinitely.

B. Background

The TGE was initially constructed in 2003-2004 by a group of volunteer geophysicist subject matter experts (SMEs) at the request and authorization of the Texas Board of Professional Geoscientists and Jay Bowermeister, owner of Gainesville Independent Testing Service (GITS). TBPG Board Member Kelly Krenz-Doe, P.G., worked as a SME on the initial effort and has provided guidance and oversight to the issues surrounding the examination until her term ended in April, 2016.

In 2013, the initial Texas Geophysics Examination had been in existence and use for 8 years. At that time, the TBPG Appointed Board determined that it was prudent and necessary to update or refresh the examination because, although basic principles had not changed, technology and methodology had. The agency contracted with GITS to assemble another group of volunteer geophysicists subject matter experts to review and redesign the examination "blue print;" review existing examination questions, validating, verifying and writing new questions, as necessary; review the examination's reference material, verify and revise as needed; and review, verify and validate the test form assembly, revising it as necessary.

The majority of the work involved with the Texas Geophysics Examination update process was completed by the SMEs in 2015. The Second Edition of the Texas Geophysics Examination was completed and became available as of August, 2016.

Note: In 2019, the Second Edition of the TGE was reviewed to determine the accuracy of the projected Angoff scoring for the exam. As a result, the passing score of the exam was revised per GITS recommendations. Additionally, the Subject Matter experts also began the creation of a Fundamentals of Geophysics exam, which should be available in early 2020 for those desiring to pursue a Geoscientist-in-Training certification.

The Texas Geophysics Examination is administered by TBPG staff, in conjunction with GITS. GITS maintains the question bank and draws test forms (instances of the examination) and provides access to the examination to TBPG staff. TBPG staff members administer and proctor the examination. TBPG staff members also work with GITS to score the completed examinations. GITS provide final scoring information to TBPG staff. TBPG staff members provide the scoring information to the examinee. Upon passage of the examination, TBPG staff members initiate the appropriate administrative actions with regard to the examinee's application for licensure as a Professional Geoscientist or certification as a Geoscientist-in-Training.

C. Psychometric Review

Statistical Analysis - Data for statistical analysis is kept in the active database used for the final step of the scoring/grading process.

Statistical information shall be analyzed when requested or at intervals of every 5th (fifth) administration, though data analysis may not show significance until after 10 or more administrations will have been given. Inference may be made by evaluation of data after that point.

D. Examination Blueprint

Texas Geophysics Examination (TGE) Blueprint									
Domain Area	Number of questions	Percent of total							
Seismic	20	28.57%							
Electrical	5	7.14%							
Magnetics	5	7.14%							
Gravity	5	7.14%							
Ground Penetrating Radar	10	14.29%							
Electromagnetic	18	25.71%							
Public Safety	4	5.71%							
Practitioner Safety	3	4.28%							
Total	70	100%							

E. Domain Descriptions

	Texas Geophysics Examination Domain Descriptions
Domain	Description
	Is a geophysical method based on the propagation of elastic waves within
Seismic	the subsurface.
Electrical	Is based on the measurement of the variation of electrical properties of
Resistivity	geological materials as function of depth and/or lateral position.
	Involves the measurement and analysis of the spatial variation of the
Magnetics	Earth's magnetic field.
	Is based on the measurement and analysis of the spatial variation of the
Gravity	Earth's gravitational field.
	Is a geophysical method based on the propagation and reflection of
Ground	electromagnetic waves in the microwave band of the electromagnetic
Penetrating Radar	spectrum.
	Involves the measurement and analysis of electrometric energy
Electromagnetic	propagating through the Earth. This energy can be natural or induced.
	An understanding of the protection and mitigation of public safety related
Public Safety	to the practice of geophysics.
	An awareness of the potential safety hazards to the practitioner related to
Practitioner Safety	the practice of geophysics

F. Reference Reading List

- Chapter 18, Investigations in Geophysics, No. 13, Near Surface Geophysics, Dwain K. Butler, Society of Exploration Geophysicists
- Transportation Research Circular E-C130, July 2008
- Field Geophysics, 3rd Edition, 2003 John Milsom
- Applied Hydrogeology, C.W. Fetter, Second Edition
- ASTM D6429-99 (2011)
- ASTM D 420-98 (2003)
- ASTM D5777-00 (2011)
- ASTM D4428/D4428M-2014
- ASTM D6429-11
- Trade Knowledge
- ASTM D7128-05 (2010)
- 29 CFR 1910 OSHA Subparts D,E,F,G,J
- 29 CFR 1926 OSHA Standards for the Construction Industry

IV. Examination Day

TBPG works to provide a comfortable physical environment for the examination candidate and still provide for complete security. We ask that candidates respect measures taken by staff as we balance these two important objectives. The check-in process is completed when the candidate is in place, seated for the examination. Candidates should arrive at the TBPG offices at the scheduled time at the following location:

William P. Hobby Building 333 Guadalupe Street, Tower 1, Suite 530 Austin, Texas

Upon arrival at the William P. Hobby Building, the exam candidate must check in with building security. The candidate will need valid photo identification. The candidate should request that the agency is contacted and wait for a TBPG staff to greet them. The candidate will be escorted to a location where the examination will be administered.

An examination candidate does not need any materials to take the TGE and is not allowed to use a personal calculator, pen, pencil, ruler or other item. TBPG staff will provide a calculator, ruler, scratch paper and any other items a candidate will need. The candidate must power down (not silence) electronic devices (phones, etc.) and place them and any other personal belongings in an inaccessible area designated by TBPG staff. An examination candidate should dress in such a manner as to facilitate monitoring. Hats, coats, jackets, etc. must be removed and stored with personal items.

A. Check-in

The TBPG Examination Administrator will guide the check-in process. The check-in process is normally completed within 15-20 minutes of arrival. The check-in process includes:

- review of the candidate's valid photo identification (e.g.: driver's license)
- familiarization with the restroom facilities
- storage of personal items
- other miscellaneous logistics

B. Restroom breaks

A candidate may take restroom breaks. An Examination Proctor will escort the candidate to and from the restroom. A candidate may not access personal items during a restroom break, make a phone call, or otherwise communicate with persons other than the Examination Proctor. The examination time does not stop for a restroom break.

C. Uncontrollable circumstances

There are things TBPG cannot control, such as unscheduled emergency evacuation drill or actual emergency, adjacent city or private construction, power disruptions, etc. If such an event disrupts an examination administration, staff will work with the candidate to make an appropriate adjustment (which, depending on the circumstances, could include rescheduling of the examination at no cost to the candidate).

In the event of special circumstances in which a candidate has a special need (for example to be contacted during the examination because of a family member's health issue, etc.) the candidate should work with the Licensing Coordinator in advance.

V. Examination Candidate Instructions

The Texas Geophysics Examination is a three-hour, 70-question, "closed book," multiple-choice and true/false, paper-administered examination. The examination is administered and proctored by TBPG staff.

A. Start of Examination

The TBPG Examination Administrator or Proctor will read a set of instructions. At the appropriate time, the TBPG Examination Administrator will provide the examination to the candidate and announce that the examination has begun. The TBPG Examination Administrator or Proctor will note the time the examination began and the time the exam must end. The clock and the notation of the end time will be placed in candidate's view.

B. Statement of Examination Compliance Form (Appendix 2)

Each candidate will be provided with a Statement of Examination Compliance Form. The Statement of Examination Compliance form confirms that the candidate has read, understands, and agrees to the examination rules and security provisions outlined on the form. It is the candidate's responsibility to read, sign, and return the original Statement of Examination Compliance form to the TBPG Examination Administrator or Proctor before the start of the examination. Any candidate who fails to complete, sign, and return the Statement of Examination Compliance form will not be permitted to sit for the TGE.

C. Candidate Question Comment Form (Appendix 3)

A Candidate Question Comment Form is provided for candidates to comment on examination questions. It is important to note comments regarding the examination questions. Comments assist the TBPG to improve the exam. In addition, it allows for TBPG to review questions for accuracy and could result in an examination candidate's score being considered for possible adjustment.

Please note that in order for an exam candidate to appeal a question on the examination, the candidate must have commented on the question or questions. At the completion of the examination, the form must be returned to the Examination Administrator or Proctor, even if no comments were made. TBPG works with GITS (who may in turn work with one or more SME, depending on the nature of the comment) to determine whether any action or response is appropriate. In some circumstances an examination issue may be reviewed by the TBPG's Application Review / Continuing Education Committee.

D. Completion of Examination

A candidate has three hours to complete the examination. A candidate may declare that he or she is finished and turn the examination in to the TBPG Examination Administrator or Proctor at any time prior to the end of three hours. When 30 minutes remain and when 15 minutes remain, the TBPG Examination Administrator or Proctor will announce the time remaining. At the end of three hours, the TBPG Examination Administrator or Proctor will announce that the time has ended. When the TBPG Examination Administrator or Proctor has announced that the time has expired, the candidate shall put down the pencil and turn in the examination.

VI. Grading Process: Transposing Candidate Answers into the GITS System, Scoring, Release of Score and Pass/Fail Determination

- 1. The TBPG Examination Administrator or Proctor will open the candidate's examination instance (open an examination online) on the GITS system.
- 2. The TBPG staff will enter the candidate's responses for each examination question in the GITS online system. After a double check that the candidate's responses have been accurately transposed from the paper to the online examination, TBPG staff will close the exam online.
- 3. TBPG staff will send a copy of the candidate's completed examination to GITS via a secure process.
- 4. Upon receipt of the examination, GITS staff will use the copy of the completed examination to determine whether TBPG staff accurately transposed the candidate's responses into the GITS examination scoring system (check the accuracy of the TBPG staff's data entry).
- 5. After GITS has verified the accuracy of TBPG staff's data entry, the examination will be scored by the GITS software.
- 6. A score sheet will be generated with the applicant's score that will include a total score and a breakdown of the candidate's performance per subject area or domain. A passing score is 70% or higher. Please see the example that follows.
- 7. GITS will provide the candidate's score/breakdown to TBPG. TBPG staff should receive the results from GITS within 15 days of the date GITS receives the completed examination.
- 8. TBPG staff will provide candidates with examination score/breakdown via regular US First Class mail. Generally, examination candidates should receive results within 20-30 days of the examination date.
- 9. TBPG (and not GITS) will release scores to the candidate (or to the candidate's legally designated representative upon receipt of written approval by the candidate). Examination scores (like all other application materials, with the exception of references) are not confidential by law.

VII. Final Score Report: Strength/Weakness - Example Grade Sheet



Strength/ Weakness ar	nd Final Score Report for
Candidate Name:	
Examination Date:	

Texas Geophysics Examination Score Result = Pass									
Score 98.57%									
Domain	Correct Answers	Domain percentage							
Seismic	19 out of 20	95%							
Electrical	5 out of 5	100%							
Magnetics	5 out of 5	100%							
Gravity	5 out of 5	100%							
Ground Penetrating Radar	10 out of 10	100%							
Electromagnetic	18 out of 18	100%							
Public Safety	3 out of 3	100 %							
Practitioner Safety	4 out of 4	100%							
TOTAL	69 out of 70	98.57%							

VIII. Examination Retake Policy

To preserve the security of the examination, an Examination candidate who has passed the Texas Geophysics Examination may not retake the examination. A candidate who has failed the Texas Geophysics Examination may retake it after the following waiting periods:

- First retake (second time to take the Texas Geophysics Examination)—no sooner than 30 days after the first examination administration.
- Second and all other retakes (third time or more to take the Texas Geophysics Examination)--no sooner than 180 days after the previous examination administration.

The TBPG does not limit the number of times a candidate may take the Texas Geophysics Examination.

IX. Manual Re-grade of Examination

Because scoring occurs through a multiple step quality control process, a manual re-grade is very unlikely to yield a different score. However, an examination candidate may request a manual re-grade. A manual re-grade is performed by GITS at a cost of \$50, payable to GITS. A manual re-grade is performed by reviewing the original examination on which the candidate indicated his or her response in conjunction with the examination form answer sheet. A request for a manual re-grade must be made in writing to TBPG within 30 days after receiving the exam results.

Upon receipt of a request and fee, GITS will perform a manual re-grade and provide both the examination candidate and TBPG a copy of the results of the manual re-grade.

If a manual re-grade results in the change from a failing score to a passing score, TBPG staff will update the candidate's application record and take the appropriate step toward processing the applicant's application for licensure or certification (issue the license or certification or notify the applicant of any other application deficiencies).

X. Proctored Review of Examination

Proctored Review. It is the policy of TBPG and GITS, LLC to allow Proctored Reviews for any Texas Geophysics Examination taken and FAILED by a candidate. The fee for a proctored review is \$50, payable to TBPG. Upon request and payment of the fee, TBPG staff will arrange and schedule the proctored review. Proctored reviews are held in or near the TBPG administrative office in Austin, Texas.

- Proctored Reviews are conducted in the same or similar setting and conditions as the initial examination administration.
- Proctored Reviews are proctored or monitored the same manner as an actual examination administration.
- The maximum time allowed for a Proctored Review is 50% of the original time for the initial examination administration (i.e. the three hour test has a maximum 1.5 hour time for a Proctored Review).
- The examination candidate is provided a copy of the examination. The examination candidate is provided with a document that displays whether the candidate got each examination question correct or incorrect when the candidate sat for the examination. The candidate is not provided with the candidate's responses when the candidate sat for the examination.

- Candidates are not permitted to discuss examination questions with Proctors. Proctors will not discuss questions with the examination candidate.
- Similar to an actual examination administration, an examination candidate may write notes or
 perform calculations. However, notes made during the review may not be kept by the
 candidate at the conclusion as this would result in data corruption and possible content
 exposure.
- Unlike the actual examination administration, examination candidates are not permitted to submit comments regarding the examination questions. Any notes recorded by an examination candidate during the proctored review will be collected by the proctor, but the notes will not be reviewed for feedback.

XI. GITS Review of Examination Comment Forms

It is the intent of Gainesville Independent Testing Service (GITS) and TBPG to consider any valid issues raised by examination candidates through comments provided on the candidate's examination comment form and respond in a fair and reasonable manner. GITS reviews all candidate question comment forms. GITS consults, as necessary, with one or more of the TGE qualified subject matter experts to review potentially valid issues with examination questions. GITS, in conjunction with one or more TGE SME with whom GITS consults, are authorized through the contract with TBPG to take reasonable actions regarding issues raised in candidate comments, including, but not limited to:

- Remove a question from the candidate's examination.
- Accept a candidate's response as correct, even if the examination question was not originally keyed to be the correct answer.
- Adjust an individual candidate's score in accordance with determinations made about examination questions, including changing the outcome of the pass or fail.
- Take other reasonable actions or no action with regard to the candidate's examination.

Further, GITS will also work with SMEs to consider appropriate responses to the future use of examination questions. Examination questions may be removed from the question bank, modified and returned to the question bank. Issues with questions will be preserved and shared with future SMEs that will be assembled to conduct future updates to the examination.

APPENDIX 1 TBPG RULES

Important links.

Chapter 851. Subchapter B: P.G. Licensing, Firm Registration, and GIT Certification.

§851.20. Professional Geoscientist Licensing Requirements and Application Procedure.

§851.21. Licensing Requirements-Examinations.

§851.22. Waivers and Substitutions: Policy, Procedures, and Criteria

§851.23. Qualifying Experience Record

§851.25. Education

§851.26. Licensing of Military Service Members, Military Veterans, and Military Spouses

§851.27. Replacement License Certificate or License Expiration Cards

§851.28. Professional Geoscientist License Renewal and Reinstatement

§851.29. Endorsement and Reciprocal Licensure

§851.40. Geoscientist-in-Training (GIT)

§851.41. Geoscientist-in-Training Certification Requirements and Application Procedure

§851.80. Fees

APPENDIX 2 STATEMENT OF EXAMINATION COMPLIANCE

STATEMENT OF EXAMINATION COMPLIANCE

Please read carefully this *Statement of Examination Compliance* in its entirety and sign on the line provided to acknowledge your understanding of, and concurrence with, this agreement.

IF THIS AGREEMENT IS NOT COMPLETED, SIGNED AND RETURNED WHEN REQUESTED BY THE PROCTOR, YOU WILL NOT BE PERMITTED TO TAKE THE EXAMINATION.

By signing this *Statement of Examination Compliance*, you agree that the following actions/behaviors constitute prohibited conduct at the examination site:

- (1) Impersonating an examination candidate or using false identification to take an examination. Only the person named on the examination application/answer sheet is authorized to take the examination, and his/her correct name must be signed on the examination;
- (2) Possession of **any** of the following during the examination is prohibited: electronic device (cellular phone, PDA, tape/digital recorder, alpha programmable calculators, camera, scanning pens, etc.), notes, sample tests, references, answer keys, manuals or other aids. It is the candidate's responsibility to turn in any of these items to the Proctor before the start of the examination. Calculators, or any other wireless electronic devices, that have e-mail/Internet/text messaging capability shall **NOT** be allowed. Violation of any of the above-mentioned prohibitions will result in immediate expulsion from the examination site and forfeiture of examination privileges (examination will not be scored) and fees.
- (3) Copying, reproduction, taking notes, or taking pictures for the purpose of transmitting examination information in any form to another person or device or any action taken to reveal the content of examinations in whole or in part is prohibited. Removal of the examination booklet from the Examination room at any time is prohibited.
- (5) Exhibiting irrational or disruptive behavior at the examination site at any time; and
- (6) Continuing to fill in answer sheets or answer test questions after time has been called.

Further, I pledge to neither give, use, obtain, attempt to obtain by any means, nor receive information concerning the whole or any part of an examination (individual examination problems, questions, solutions or answers), nor to transmit such to any third party, before, during, or after an *Examination*, whether orally, in writing, by telephone, during any Internet "chat room" sessions or otherwise.

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AGREEMENT

I have read and understand the provisions of this *Agreement*. I further understand that a breach of this *Agreement* includes, but is not limited to, my immediate expulsion from the examination site. Violation of any of the above-mentioned prohibitions shall also result in voiding of my examination and forfeiture of all examination fees. I further understand that I may be subject to any liabilities and/or penalties that may be imposed by an administering body.

Candidate's Name (Please print clearly):	
Candidate's Signature	Date

APPENDIX 3 CANDIDATE QUESTION COMMENT FORM

Texas Geophysics Examination

	CANDIDATE QUESTION COMMENT FORM
This form must b	e returned to the Examination Administrator or Proctor even if no comments are made.
NAME:	EXAM DATE:
in this examinat	form to record specific comments that you may have about questions appearing ion. Record the number of the question about which you have a comment; then ments in the space provided. Be as specific as possible and include references if
QUESTION	COMMENTS
#	