

# Railroad Commission of Texas

## PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER ON REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

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### CONDITIONS AND INSTRUCTIONS

**Permit Invalidation.** It is the operator's responsibility to make sure that the permitted location complies with Commission density and spacing rules in effect on the spud date. The permit becomes invalid automatically if, because of a field rule change or the drilling of another well, the stated location is not in compliance with Commission field rules on the spud date. If this occurs, application for an exception to Statewide Rules 37 and 38 must be made and a special permit granted prior to spudding. Failure to do so may result in an allowable not being assigned and/or enforcement procedures being initiated.

**Permit expiration.** This permit expires two (2) years from the date of issuance shown on the original permit. The permit period will not be extended.

**Drilling Permit Number.** The drilling permit number shown on the permit MUST be given as a reference with any notification to the district (see below), correspondence, or application concerning this permit.

**Rule 37 Exception Permits.** This Statewide Rule 37 exception permit is granted under either provision Rule 37 (h)(2)(A) or 37(h)(2)(B). Be advised that a permit granted under Rule 37(h)(2)(A), notice of application, is subject to the General Rules of Practice and Procedures and if a protest is received under Section 1.3, "Filing of Documents," and/or Section 1.4, "Computation of Time," the permit may be deemed invalid.

#### Before Drilling

**Fresh Water Sand Protection.** The operator must set and cement sufficient surface casing to protect all usable-quality water, as defined by the Texas Commission on Environmental Quality (TCEQ). Before drilling a well, the operator must obtain a letter from the Texas Commission on Environmental Quality stating the depth to which water needs protection, Write: Texas Commission on Environmental Quality (Surface Casing-MC151), P.O. Box 13087, Austin, TX 78711-3087. File a copy of the letter with the appropriate district office.

#### During Drilling

**Permit at Drilling Site.** A copy of the Form W-1 Drilling Permit Application, the location plat, a copy of Statewide Rule 13 alternate surface casing setting depth approval from the district office, if applicable, and this drilling permit must be kept at the permitted well site throughout drilling operations.

**\*Notification of Setting Casing.** The operator MUST call in notification to the appropriate district office (phone number shown on permit) a minimum of eight (8) hours prior to the setting of surface casing, intermediate casing, AND production casing. The individual giving notification MUST be able to advise the district office of the drilling permit number.

#### Completion and Plugging Reports

**Producing Well.** Statewide Rule 16 states that the operator of a well shall file with the Commission the appropriate completion report within thirty (30) days after completion of the well or within ninety (90) days after the date on which the drilling operation is completed, whichever is earlier. Completion of the well in a field authorized by this permit voids the permit for all other fields included in the permit unless the operator indicates on the initial completion report that the well is to be a dual or multiple completion and promptly submits an application for multiple completion. All zones are required to be completed before the expiration date on the existing permit. Statewide Rule 40(d) requires that upon successful completion of a well in the same reservoir as any other well previously assigned the same acreage, proration plats and P-15s (if required) must be submitted with no double assignment of acreage.

**Dry or Noncommercial Hole.** Statewide Rule 14(b)(2) prohibits suspension of operations on each dry or non-commercial well without plugging unless the hole is cased and the casing is cemented in compliance with Commission rules. If properly cased, Statewide Rule 14(b)(2) requires that plugging operations must begin within a period of one (1) year after drilling or operations have ceased. Plugging operations must proceed with due diligence until completed. An extension to the one-year plugging requirement may be granted under the provisions stated in Statewide Rule 14(b)(2).

**Intention to Plug.** The operator must file a Form W-3A (Notice of Intention to Plug and Abandon) with the district office at least five (5) days prior to beginning plugging operations. If, however, a drilling rig is already at work on location and ready to begin plugging operations, the district director or the director's delegate may waive this requirement upon request, and verbally approve the proposed plugging procedures.

**\*Notification of Plugging a Dry Hole.** The operator MUST call in notification to the appropriate district office (phone number shown on permit) a minimum of four (4) hours prior to beginning plugging operations. The individual giving the notification MUST be able to advise the district office of the drilling permit number and all water protection depths for that location as stated in the Texas Commission on Environmental Quality letter.

#### **\*NOTIFICATION**

The operator is REQUIRED to notify the district office when setting surface casing, intermediate casing, and production casing, or when plugging a dry hole. Time requirements are given above. The drilling permit number MUST be given with such notifications.

DIRECT INQUIRIES TO: DRILLING PERMIT SECTION, OIL AND GAS DIVISION

PHONE  
(512) 463-6751

MAIL:  
PO Box 12967  
Austin, Texas, 78711-2967

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

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <b>707623</b>	DATE PERMIT ISSUED OR AMENDED <b>Dec 30, 2010</b>	DISTRICT <b>05</b>		
API NUMBER <b>42-439-35657</b>	FORM W-1 RECEIVED <b>Dec 28, 2010</b>	COUNTY <b>TARRANT</b>		
TYPE OF OPERATION <b>NEW DRILL</b>	WELLBORE PROFILE(S) <b>Horizontal</b>	ACRES <b>274.95</b>		
OPERATOR <b>TITAN OPERATING, LLC 111 W 4TH ST STE 300 FORT WORTH, TX 76102</b>		860832 <b>NOTICE</b> This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <b>(903) 984-3026</b>		
LEASE NAME <b>TRINITY C UNIT</b>		WELL NUMBER <b>1H</b>		
LOCATION <b>2.4 miles SW direction from SOUTHLAKE</b>		TOTAL DEPTH <b>8000</b>		
Section, Block and/or Survey SECTION ◀ BLOCK ◀ ABSTRACT ◀ <b>295</b> SURVEY ◀ <b>CROOKS, W E</b>				
DISTANCE TO SURVEY LINES <b>66 ft. E 1895 ft. S</b>		DISTANCE TO NEAREST LEASE LINE <b>203 ft.</b>		
DISTANCE TO LEASE LINES <b>66 ft. E OFF LEASE 1895 ft. S OFF LEASE</b>		DISTANCE TO NEAREST WELL ON LEASE <b>See FIELD(s) Below</b>		
FIELD(s) and LIMITATIONS:  <b>** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** CASE NO. 0268855</b>				
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE	WELL # NEAREST WE	DIST
----- <b>** NEWARK, EAST (BARNETT SHALE)</b> <b>TRINITY C UNIT</b>	<b>274.95</b> <b>203</b>	<b>8,000</b> <b>0</b>	<b>1H</b> <b>0</b>	<b>09</b>
----- WELLBORE PROFILE(S) FOR FIELD: <b>Horizontal</b> -----				
RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 203.0 F E INT L 1123.0 F S L Terminus Location BH County: TARRANT Section: Block: Abstract: 1176 Survey: NEWTON, J J Lease Lines: 712.0 F S L 674.0 F W L Survey Lines: 532.0 F E L 590.0 F N L				
<b>' ** ' PRECEDING FIELD NAME INDICATES RULE (R37)</b>				
<b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b>				
This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.				

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

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER 707623	DATE PERMIT ISSUED OR AMENDED Dec 30, 2010	DISTRICT 05
API NUMBER 42-439-35657	FORM W-1 RECEIVED Dec 28, 2010	COUNTY TARRANT
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 274.95
OPERATOR TITAN OPERATING, LLC 111 W 4TH ST STE 300 FORT WORTH, TX 76102	860832	NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> (903) 984-3026
LEASE NAME TRINITY C UNIT	WELL NUMBER 1H	
LOCATION 2.4 miles SW direction from SOUTHLAKE	TOTAL DEPTH 8000	
Section, Block and/or Survey SECTION ◀ BLOCK ◀ ABSTRACT ◀ 295 SURVEY ◀ CROOKS, W E		
DISTANCE TO SURVEY LINES 66 ft. E 1895 ft. S		DISTANCE TO NEAREST LEASE LINE 203 ft.
DISTANCE TO LEASE LINES 66 ft. E OFF LEASE 1895 ft. S OFF LEASE		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS:  ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** CASE NO. 0268855  FIELD NAME ACRES DEPTH WELL # DIST LEASE NAME NEAREST LEASE NEAREST WE NO PERFORATIONS OR TAKE POINTS MAY BE PLACED IN THE WELLBORE WHERE A [NO PERF ZONE] WAS DESIGNATED ON THE PLAT THAT WAS APPROVED FOR THIS PERMIT. IF AT SUCH TIME THE NPZ[S ARE NO LONGER APPLICABLE, THEN AN AMENDED PERMIT WILL BE REQUIRED TO REMOVE THE NPZ RESTRICTION BEFORE COMPLETING THE WELL.		