

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
CASING MECHANICAL INTEGRITY TEST**

Form U-7
August 2019

Disposal: Enhanced Recovery: KCC District No.: _____
 Operator License No.: _____ Name: _____
 Address 1: _____
 Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Contact Person: _____ Phone: (____) _____

API No.: _____ Permit No.: _____
 ___ - ___ - ___ - ___ Sec. ___ Twp. ___ S. R. ___ East West
 _____ Feet from North / South Line of Section
 _____ Feet from East / West Line of Section
 Lease: _____ Well No.: _____
 County: _____

Well Construction Details: New well Existing well with changes to construction Existing well with no changes to construction

Maximum Authorized Injection Pressure: _____ psi Maximum Injection Rate: _____ bbl/d

	<i>Conductor</i>	<i>Surface</i>	<i>Intermediate</i>	<i>Production</i>	<i>Liner</i>	<i>Tubing</i>
Size: _____	_____	_____	_____	_____	_____	Size: _____
Set at: _____	_____	_____	_____	_____	_____	Set at: _____
Sacks of Cement: _____	_____	_____	_____	_____	_____	Type: _____
Cement Top: _____	_____	_____	_____	_____	_____	
Cement Bottom: _____	_____	_____	_____	_____	_____	

Packer Type: _____ Set at: _____

DV Tool Port Collar Depth of: _____ feet with _____ sacks of cement TD (and plug back): _____ feet depth

Zone of Injection Formation: _____ Top Feet: _____ Bottom Feet: _____ Perf. or Open Hole: _____

Is there a Chemical Sealant or a Mechanical Casing patch in the annular space? Yes No

If Dual Completion - Injection is: Above Production Below Production

FIELD DATA

GPS Location: Datum: NAD27 NAD83 WGS84 Lat: _____ Long: _____ Date Acquired: _____

MIT Type: _____ MIT Reason: _____

Time in Minute(s): _____

Pressures: Set up 1 _____

Set up 2 _____

Set up 3 _____

Tested: Casing or Casing - Tubing Annulus System Pressure during test: _____ Bbls. to load annulus: _____

Test Date: _____ Using: _____ Company's Equipment

The zone tested for this well is between _____ feet and _____ feet.

The test results were verified by operator's representative:

Name: _____ Title: _____ Phone: (____) _____

<p>KCC Office Use Only</p> <p>The results were:</p> <p><input type="checkbox"/> Satisfactory</p> <p><input type="checkbox"/> Not Satisfactory</p> <p>Next MIT: _____</p>	<p>State Agent: _____ Title: _____ Witness: <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Remarks: _____</p>
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Form	U7 - Casing Mechanical Integrity Test
Operator	Murfin Drilling Co., Inc.
Well Name	KEJA 1-3
Doc ID	1528884

Injection Zones

FormationName	Top	Bottom
ARBUCKLE	3829	3963
GRANIT WASH	3829	3963



**THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS
CONSERVATION DIVISION**

DISPOSAL WELL PERMIT

Oper. License #: 30606	Permit #: D-30632
Operator: Murfin Drilling Company, Inc.	Well Name & No.: Keja #1-3
Address: 250 N.Water, Ste. 300	Location: 1815'FSL 4430'FEL
City: Wichita	Sec. 3 TWP 11 RGE 21 <input type="checkbox"/> (E) <input checked="" type="checkbox"/> (W)
State: Kansas	County: Trego
Zip Code: 67202	Field Name: Trico

Project Acreage: SW/4 SEC. 3-T11S-R21W.

After reviewing the operator's application for Disposal Well Permit dated 6-1-2010, the Conservation Division grants a permit for the injection of produced saltwater or other fluids approved by the Conservation Division. The permitted well is subject to the specifications and requirements of this permit including any attachments or any attached amendments.

- The injection formation is known as the Arbuckle and Granite Wash.
- The depth of the permitted injection interval is from 3829' to 3963', (PF), (OH)
- The maximum authorized injection rate is 2000 barrels of fluid per day.
- The maximum authorized injection pressure is 0 PSIG.
- Attachment YES, NO.

Complete casing information is as follows:

	<u>SIZE</u>	<u>SEAT DEPTH</u>	<u>INTERVAL CEMENTED</u>	<u>SACKS CEMENT USED</u>
Conductor	NONE"	'	' to '	
Surface	8-5/8"	220'	0' to 220'	160
Intermediate	NONE"	'	' to '	
Production	5-1/2"	3829'	2950' to 3829'	155
Tubing	2-3/8"	3701'	' to '	

**Additional Cementing: Squeeze Arbuckle perforations from 3708' to 3734' with 100 sacks of cement. Squeeze L.K.C. perforations from 3428'- 3432' with 25 sacks of cement.
Packer type and setting depth: Tension set @ 3701'.**

Well(s), Leases(s) and Facilities supplying fluid for injection:

Lease Operator	Lease Name	Lease Description
SEE PAGE 2		

In addition to the specific permit conditions and requirements set out above or on the attachment hereto, this permit is subject to all of the provisions of K.A.R. 83-3-400 et seq. Injection authority cannot be transferred without approval of the Conservation Division.

Date of Approval: 10-22-2010

Director, Underground Injection Control
Conservation Division