

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

Form U-7
August 2019

Disposal: ☐ Enhanced Recovery: ☒ KCC District No.: 1
Operator License No.: 4767 Name: Ritchie Exploration, Inc.
Address 1: 8100 E 22ND ST N # 700
Address 2: PO BOX 783188
City: WICHITA State: KS Zip: 67278 + 3188
Contact Person: Peter Fiorini Phone: (316) 691-9500

API No.: 15-057-20776-00-01 Permit No.: E35016.1
E2 NE SE Sec. 32 Twp. 28 S. R. 23 ☐ East ☒ West
1868 Feet from ☐ North / ☒ South Line of Section
360 Feet from ☒ East / ☐ West Line of Section
Lease: ARCH Well No.: 3
County: Ford

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:	<u>NA</u>	<u>8.625</u>	<u>NA</u>	<u>4.5</u>	<u>NA</u>		<u>2.375</u>
Set at:		<u>350</u>		<u>5314</u>			<u>4972</u>
Sacks of Cement:		<u>240</u>		<u>200</u>			<u>Seal-Tite</u>
Cement Top:		<u>0</u>		<u>4244</u>			
Cement Bottom:		<u>350</u>		<u>5314</u>			

Packer Type: Seal-Tite AD-1 Set at: 4972
☐ DV Tool ☒ Port Collar Depth of: 1450 feet with 260 sacks of cement TD (and plug back): 5325 (5275) feet depth
Zone of Injection Formation: See Attached Top Feet: See Attached Bottom Feet: See Attached Perf. or Open Hole: Perf

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: 37.56301 Long: -99.85214 Date Acquired: 01/11/2012
MIT Type: Tubing and Packer (or Initial Pressure) Test MIT Reason: INITIAL TEST
Time in Minute(s): 0 15 30
Pressures: Set up 1 360 360 360
Set up 2 _____
Set up 3 _____
Tested: ☐ Casing ☒ or Casing - Tubing Annulus System Pressure during test: _____ Bbls. to load annulus: _____
Test Date: 06/16/2026 Using: H-D Oilfield Service, Inc. Company's Equipment _____
The zone tested for this well is between 0 feet and 4972 feet.
The test results were verified by operator's representative:
Name: Scott Boeh Title: Production Supervisor Phone: (620) 617-4671

KCC Office Use Only

The results were:

☒ Satisfactory
☐ Not Satisfactory

Next MIT: 06/15/2031

State Agent: Eric MacLaren Title: Compliance Officer Witness: ☒ Yes ☐ No

Remarks: _____

Form	U7 - Casing Mechanical Integrity Test
Operator	Ritchie Exploration, Inc.
Well Name	ARCH 3
Doc ID	1957097

Injection Zones

FormationName	Top	Bottom
PAWNEE	5009	5014
PAWNEE	5017	5024