KOLAR Document ID: 1979272

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form U-7
August 2019

CASING MECHANICAL INTEGRITY TEST

Disposal: ☑ Enhanced Recovery: ☐ KCC District No.: 4

Operator License No.: 34888 Name: Patterson Energy LLC

Address 1: PO BOX 400

Address 2:

City: HAYS State: KS Zip: 67601 + 0400

Contact Person: Zach Patterson Phone: (785) 259-3717

API No.: 15-009-23707-00-03 Permit No.: D34111.0

_ - NW - SW - SW Sec. 33 Twp. 16 S. R. 11 ☐ East ☑ West

990 Feet from ☐ North / ☑ South Line of Section

4950 Feet from ☑ East / ☐ West Line of Section

Lease: HARZMAN Well No.: 4

County: Barton

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

Maximum Authorized Injection Pressure: 0 psi Maximum Injection Rate: 10000 bbl/d

	Conductor	*Surface*	*Intermediate*	*Production*	*Liner*	*Tubing*
Size:	N/A	10.75	N/A	7	N/A	2.875
Set at:		742		3412		3360
Sacks of Cement:		450		175		Type: Salta
Cement Top:		0		3016		
Cement Bottom:		742		3412		

Packer Type: CBP Compression Set at: 3360

☐ DV Tool ☐ Port Collar Depth of: ____ feet with ____ sacks of cement TD (and plug back): 3582 (3445) feet depth

Zone of Injection Formation: ARBUCKLE Top Feet: 3412 Bottom Feet: 3445 Perf. or Open Hole: Open

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: 38.61161 Long: -98.55264 Date Acquired: 08/19/2026

MIT Type: Tubing and Packer (or Initial Pressure) Test MIT Reason: 1-YEAR TEST

Time in Minute(s):	0	15	30			
Pressures: Set up 1	310	310	310			
Set up 2						
Set up 3						

Tested: ☐ Casing ☑ or Casing - Tubing Annulus System Pressure during test: ____ Bbls. to load annulus: 0

Test Date: 08/19/2026 Using: Ace Tank Service Company's Equipment

The zone tested for this well is between 0 feet and 3360 feet.

The test results were verified by operator's representative:

Name: Dale Windholz Title: Production Supervisor Phone: (785) 639-3317

KCC Office Use Only

The results were:

☑ Satisfactory

☐ Not Satisfactory

Next MIT: 08/19/2027

State Agent: Richard Heine Title: E.C.R.S. Witness: ☑ Yes ☐ No

Remarks:

Chemical sealant in annulus. YEARLY