KOLAR Document ID: 1853245

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form U-7
August 2019

# CASING MECHANICAL INTEGRITY TEST

Disposal: ☑ Enhanced Recovery: ☐ KCC District No.: 2

Operator License No.: 35984 Name: Alliance Energy LLC

Address 1: 130 LAKOTA PASS

Address 2:

City: AUSTIN State: TX Zip: 78738 + 6563

Contact Person: Randall Brooks Phone: ( 512 ) 954-3968

API No.: 15-077-30003-00-02 Permit No.: D11722.0

_ - SW - NW - SE Sec. 9 Twp. 31 S. R. 8 ☐ East ☑ West

1956 Feet from ☐ North / ☑ South Line of Section

2020 Feet from ☑ East / ☐ West Line of Section

Lease: CULVER - SWDW Well No.: 2-9

County: Harper

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: 2000 bbl/d

| | Conductor | Surface | Intermediate | Production | Liner | Tubing |
|---|---|---|---|---|---|---|
| Size: | N/a | 10.75 | N/a | 7 | N/a | 2.875 |
| Set at: | | 225 | | 4980 | | 4134 |
| Sacks of Cement: | | 0 | | 0 | | Type: Steel |
| Cement Top: | | 0 | | 3532 | | |
| Cement Bottom: | | 225 | | 4980 | | |

Packer Type: Model G Set at: 4134

☐ DV Tool ☐ Port Collar Depth of: ___ feet with ___ sacks of cement TD (and plug back): 5209 feet depth

**Zone of Injection** Formation: ARBUCKLE Top Feet: 4904 Bottom Feet: 5209 Perf. or Open Hole: Both

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: 37.360549 Long: -98.192087 Date Acquired: 02/14/2003

MIT Type: Tubing and Packer (or Initial Pressure) Test MIT Reason: 90-DAY RETEST - FAILURE

| | | | | | | |
|---|---|---|---|---|---|---|
| Time in Minute(s): | 0 | 15 | 30 | | | |
| Pressures: Set up 1 | 350 | 350 | 350 | | | |
| Set up 2 | | | | | | |
| Set up 3 | | | | | | |

Tested: ☐ Casing ☑ or Casing - Tubing Annulus System Pressure during test: ___ Bbls. to load annulus: 1

Test Date: 07/23/2025 Using: Messenger/Jimenez well service Company's Equipment

The zone tested for this well is between 0 feet and 4134 feet.

The test results were verified by operator's representative:

Name: Randy Brooks Title: Field supervisor Phone: ( 620 ) 474-3535

**KCC Office Use Only**

The results were:

☑ Satisfactory

☐ Not Satisfactory

Next MIT: 07/23/2026

State Agent: Neil Lake Title: E.C.R.S. Witness: ☑ Yes ☐ No

Remarks:

Well tested after new polymer was added to annulus. Pressured up 3 times to set polymer. Pressured up and held solid for duration of test. Bled off to 0 PSIG after duration of test. Operator added a total of 2 new jts. Packer now sits at 4134' from original 4093'

**KANSAS CORPORATION COMMISSION**

266 N. Main St.
Suite 220
Wichita, KS 67202
Fax 316-337-6211

☐ District #1, 210 E Frontview, Ste A, Dodge City KS 67801 620-682-7933
☑ District #2 3450 N. Rock Rd. #601, Wichita, KS 67226 316-337-7400
☐ District #3, 137 E 21st St., Chanute KS 66720 620-902-6450
☐ District #4, 2301 E. 13th Hays KS 67601 785-261-6250
*Check Appropriate District Office*

# Annular Additive Design Request

Company Name: Alliance Energy LLC License #: 35984

Address: 316 N Winters Furr #601

City/State/Zip: Johnson City, TX 78636

Phone #: 512-954-3968 Email: Allianceenergycompany@gmail.com

Contact Person: Suzette Brooks Title: Vice-President

Well Name: Culver SWDW 2-9 API #: 15-077-30003-00-02

Location: FSL 1980 ' FEL 1980 ' Qtr-Qtr-Qtr SW NW SE UIC Docket D-11722

Section 9 Township 31 S Range 8 W E / W County: Harper

Date of Failed MIT: 03/28/2025 Reason for Failure: pressure bleed off

Location (depth) and Type of Leak: 3463-4015 (pinholes in casing)

Method used to determine leak location: pressure truck, plug & pakcer

MIT failure bleed off rate from 330 psi to 300 psi in 10 minutes.

Cemented intervals in well: 10-3/4" surf csg @ 225' w/ 200 sx (0-225) / 7" prod csg @ 4980 w/175 sx (3542-4980)

Top & bottom of Fresh and Useable Ground Water: 180 Formation Name:

Name of Additive to be used: additive WSO 41 & packer fluid PF 15

Well construction: Production casing size: 7" Tubing size & packer depth: 2-7/8" lined, Mod G coated packer

Describe the Method of Additive Placement and Expected Quantity to be used:

spearhead w/ 7 bbls fresh water w/ PF15 packer fluid mix, 30 bbls WSO 41 additive down ann, displace (spot) w/ 127 bbls fresh water PF15 mix, set packer & press ann to 330#, stage as necessary

Today's date: 07 / 14 / 2025 Expected Date to begin Procedure: 07 / 17 / 2025

**District Supervisor Approval for Additive Use.**

ALLIANCE ENERGY LLC **is hereby approved to use the above named additive to restore Mechanical Integrity In the** CULVER SWD 2-9 **well on this day** 7 / 14 / 25.

DISTRICT SUPERVISOR **Note the above well must pass MIT after additive placement.**
Authorized Signature

# Tiger Chemical LLC

**Acidizing Report** ALLIANCE

Date 7-23-25

| | | |
|---|---|---|
| Customer [redacted] | Tiger Chemical Yard CUNNINGHAM | Tiger Chemical Number 42 BRADLEY |
| Well Name & Number CULVER 2-9 SWD | Formation | |
| County HARPER | State KS | Interval |

Well Type: Completion ☐ Recompletion ☐ Workover ☐ Oil ☐ Gas ☐ Water ☐ Disposal ☐ Perf ☐ OH ☐

| | | |
|---|---|---|
| Job Pumped Via: Tubing ☐ Casing ☐ Annulus ☐ CTU ☐ Combination ☐ | Plug Depth | Packer Depth |

| | | | | | |
|---|---|---|---|---|---|
| Casing Size: | GRD | WT | Depth | Tubing Size: | Spot |
| Casing Vol. | Tbg Vol | | Ann Vol | OH Vol | Total Displacement |

1250 WSS MIX 150 WSS
30 ACTIVATOR
35 PF 15
102 BBL PKR FLUID

Customer Representative Signature _____

## Treatment Record

| Time | Type Fluid | Rate BMP | Increment Vol Bbls | Cum Vol Bbls | Pressure Tubing | Pressure Casing | Observations |
|---|---|---|---|---|---|---|---|
| 952 | PF | 2.72 | | 1 | | 0 | Safety Meeting START PF |
| 953 | " | 2.79 | | 5 | | 0 | Prs Test to PF IN psi |
| 955 | WSS | 2.79 | | 51 | | 0 | ON WSS + ACTIVATOR |
| 956 | " | 1.5 | | 10 | | 0 | |
| 1000 | " | 1.37 | | 15 | | 0 | |
| 1003 | " | 1.73 | | 20 | | 0 | |
| 1006 | " | 1.41 | | 25 | | 0 | |
| 1009 | " | 1.63 | | 30 | | 0 | |
| 1012 | " | 1.4 | | 35 | | 0 | WSS IN |
| 1012 | PF | 1.4 | | 35.1 | | 0 | ON PF |
| 1036 | " | 1.6 | | 71.3 | | 0 | |
| 1105 | " | 1.44 | | 107.8 | | 25 | PF IN |
| WAIT 10 MIN & SHOOT FLUID LEVEL | | | | | | | |
| 1128 | " | 1.9 | | 107.9 | | 0 | DN PF |
| 1151 | " | 1.09 | | 132.9 | | 25 | PF IN |
| SET | PACKER, LOAD, TEST | | | | | | |
| 1200 | " | .2 | | 132.9 | | 330 | TEST |
| 1211 | " | .1 | | 133 | | 330 | TEST (PASSED) |
| | | | | | | | 330-315 IN 30 MIN |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**Treatment Synopsis**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Avg Inj Rate | Fluid BPM | | | Total Injected | H2O | Acid | Oil | |
| Treating Prs | Max | Final | Avg. | ISIP | 5'SI | 10'SI | 15'SI | |
| | | | | | 20 | 25 | 30 | |

AR-CU