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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.: 33192 Name: Crown Energy Company

Address 1: 1117 N.W. 24TH ST.

Address 2:

City: OKLAHOMA CITY State: OK Zip: 73106 + 5615

Contact Person: Chris Gilbert Phone: (405) 526-0111

API No.: 15-015-20079-00-00 Permit No.: D21683.0

_ - NW - SW - SE Sec. 20 Twp. 28 S. R. 4 ☑ East ☐ West

668 Feet from ☐ North / ☑ South Line of Section

2144 Feet from ☑ East / ☐ West Line of Section

Lease: LOVE Well No.: 2

County: Butler

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

Maximum Authorized Injection Pressure: 500 psi Maximum Injection Rate: 3000 bbl/d

	Conductor	*Surface*	*Intermediate*	*Production*	*Liner*	*Tubing*
Size:	n/a	10.75	n/a	7	n/a	2.875
Set at:		155		2595		2392
Sacks of Cement:		150		275		Type: Lined
Cement Top:		0		1600		
Cement Bottom:		155		2595		

Packer Type: Model D Set at: 2392

☐ DV Tool ☐ Port Collar Depth of: ___ feet with ___ sacks of cement TD (and plug back): 3080 feet depth

Zone of Injection Formation: ARBUCKLE Top Feet: 2600 Bottom Feet: 3080 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: 37.59412 Long: -97.01549 Date Acquired: 07/06/2023

MIT Type: Tubing and Packer (or Initial Pressure) Test MIT Reason: POLYMER ANNUAL TEST

Time in Minute(s):	0	2	5	10		
Pressures: Set up 1	300	250	100	50		
Set up 2						
Set up 3						

Tested: ☐ Casing ☑ or Casing - Tubing Annulus System Pressure during test: 0 Bbls. to load annulus: 1

Test Date: 07/06/2023 Using: Hogoboom Company's Equipment

The zone tested for this well is between 0 feet and 2392 feet.

The test results were verified by operator's representative:

Name: John Hill Title: Production Foreman Phone: (405) 888-6166

KCC Office Use Only

The results were:

☐ Satisfactory

☑ Not Satisfactory

Next MIT: 08/13/2023

State Agent: Neal Rupp Title: E.C.R.S. Witness: ☑ Yes ☐ No

Remarks:

PRESSURED WITH FLUID TO 150 PSI, 4 X, RELEASEING PSI EACH TIME, WOULD NOT HOLD. ANNULUS FULL OF CHEMICAL AND TREATED WATER PRESURE WITH N2, 250 PSI, BROKE BACK TO 100 PSI

Conservation Division
District Office No. 2
3450 N. Rock Road
Building 600, Suite 601
Wichita, KS 67226

Kansas
Corporation Commission

Phone: 316-337-7400
http://kcc.ks.gov/

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

FAILED MECHANICAL INTEGRITY TEST (MIT)
DEADLINE FOR COMPLIANCE

07/06/2023

LICENSE 33192
Crown Energy Company
1117 N.W. 24TH ST.
OKLAHOMA CITY, OK 73106-5615

Re: API No. 15-015-20079-00-00
Permit No. D21683.0
LOVE 2
20-28S-4E
Butler County, KS

Operator:

On 07/06/2023, the referenced well failed a mechanical integrity test. Under K.A.R. 82-3-407(c), you have 90 days to:

1) repair and retest the well to show mechanical integrity,
2) plug the well, or
3) isolate all leaks to demonstrate the well does not pose a threat to fresh or usable water or endanger correlative rights.

The well must be shut-in and disconnected until it complies with K.A.R. 82-3-407(c).

Failure to comply with K.A.R. 82-3-407(c)
by 08/13/2023
shall be punishable by a $1, 000 penalty.

Please contact this office as soon as possible to let us know your plans for this well.

Sincerely,

Virgil Clothier
KCC District #2

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: Crown Energy License #: 33192

Address: 1117 NW 24th st

City/State/Zip: OKC, OK 73106

Phone #: 316-208-7590 Email: sonomare@outlook.com

Contact Person: Dan Flowers Title: Agent

Well Name: Love #2 API #: 15-015-20079

Location: FSL 668 ' FEL 2144 ' Qtr-Qtr-Qtr NW-SW-SE UIC Docket D21683.0

Section 20 Township 28 Range 4E E / W County: Butler

Date of Failed MIT: 5/25/23 Reason for Failure: Well did not hold pressure

Location (depth) and Type of Leak: 1413' to 1718' casing leak

Method used to determine leak location: Plug and packer

MIT failure bleed off rate from 150 psi to 0 psi in 15 minutes.

Cemented intervals in well: 1600'-2595' cement on 7" production casing

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

Name of Additive to be used: Pri-stim WSO-41

Well construction: Production casing size: 7" Tubing size & packer depth: 2 7/8", 2392

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

Displace 3000 gallons WSO-41 additive down backside to 100' above the hole.

Today's date: 6 / 23 / 23 Expected Date to begin Procedure: 6 / 27 / 23

District Supervisor Approval for Additive Use.

CROWN ENERGY **is hereby approved to use the above named additive to restore Mechanical Integrity In the** LOVE #2 **well on this day** 6 / 23 / 2023

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