KOLAR Document ID: 1533995

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.: 30931 Name: Daystar Petroleum, Inc.

Address 1: 522 N. MAIN ST

Address 2: PO BOX 560

City: EUREKA State: KS Zip: 67045 + 0560

Contact Person: Matt Osborn Phone: (620) 583-5527

API No.: 15-159-21255-00-01 Permit No.: E25974.2

__ - NE - SW - NE Sec. 20 Twp. 18 S. R. 6 ☐ East ☑ West

1650 Feet from ☑ North / ☐ South Line of Section

1650 Feet from ☑ East / ☐ West Line of Section

Lease: HERRICK Well No.: 3

County: Rice

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

Maximum Authorized Injection Pressure: 800 psi Maximum Injection Rate: 1000 bbl/d

	Conductor	*Surface*	*Intermediate*	*Production*	*Liner*	*Tubing*
Size:	NA	8.625	NA	4.5	NA	2.375
Set at:		215		3327		3058
Sacks of Cement:		130		125		Type: Duroline
Cement Top:		0		2750		
Cement Bottom:		215		3327		

Packer Type: Coated AD-1 Set at: 3058

☐ DV Tool ☐ Port Collar Depth of: ____ feet with ____ sacks of cement TD (and plug back): 3342 (3310) feet depth

Zone of Injection Formation: KANSAS CITY Top Feet: 3134 Bottom Feet: 3138 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: 38.47394 Long: -98.00430 Date Acquired: 10/23/2020

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

Time in Minute(s):	0	10	30	30		
Pressures: Set up 1	325	325				
Set up 2						
Set up 3						

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

Test Date: 10/23/2020 Using: Brackeen Company's Equipment

The zone tested for this well is between 0 feet and 3058 feet.

The test results were verified by operator's representative:

Name: Butch Drylie Title: Field Engineer Phone: (785) 650-4404

KCC Office Use Only

The results were:

☑ Satisfactory

☐ Not Satisfactory

Next MIT: 10/22/2025

State Agent: Keith Karlin Title: E.C.R.S. Witness: ☑ Yes ☐ No

Remarks:

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

ELITE CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **5263**
Foreman Kevin McCoy
Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
10-19-20	1031	Herrick #3 INJ	20	18S	6W	Rice	KS

Customer: Daystar Petroleum, INC.
Mailing Address: 522 N. Main
City: Eureka | State: KS | Zip Code: 67045

Safety Meeting: KM AM JV

Unit #	Driver	Unit #	Driver
104	Alan M.		
112	Josh V.		

Job Type: Squeeze
Casing Depth:
Casing Size & Wt.: 4½"
Displacement: 6.3 Bbl
Hole Depth:
Hole Size: 7⅞
Cement Left in Casing: N/A
Displacement PSI:
Slurry Vol.: 65 Bbl
Slurry Wt.: 15.2#
Water Gal/SK:
Bump Plug to:
Tubing: 2⅜" Eue
Drill Pipe:
Other: Perfs 3134-38'
BPM:

Remarks: Safety Meeting: RBP Set @ 3090'. Ran 2⅜ Tubing to 1664'. Flush w/ 35 Bbl fresh water. Pump 150# Sand. Flush Tubing w/ 7 Bbl fresh water. Shut Tubing in for 1 HR To Let Sand fall out. Pull Tubing. Rig up to 4½ Casing. Pump 20 Bbl CaCl2 water Pad Ahead of Cement, injection Rate 3 BPM @ 350 PSI, 4.6 BPM @ 400 PSI. Start Mixing Cement @ 4.7 BPM @ 375 PSI, Final mixing Pressure 475-500 PSI @ 3.5 BPM. Total Cement Pumped = 285 sks Class "A" Cement w/ 3% CaCl2, 1# PhenoSeal/sk @ 15.2#/gal = 65 Bbl Slurry. Shut down. Wash out Pump & Lines. Start Displacement @ 1.3 BPM @ 300 PSI, 2 Bbl in @ 350 PSI @ 1.3 BPM, 3 Bbl in @ 350 PSI, ISDP 275 PSI, 5:14 PM. 5:21 PM Pump 1 Bbl @ 1.2 BPM @ 325 PSI, ISDP 275 PSI. 5:38 PM Pump 1 Bbl @ .75 BPM @ 300 PSI, ISDP 250 PSI. 5:55 PM Pump 1.3 Bbl @ .75 BPM @ 325-350 PSI, ISDP 300 PSI. Shut in @ 250 PSI. Total Displacement = 6.3 Bbl. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 104	1	Pump Charge	1100.00	1100.00
C 107	100	Mileage	4.20	420.00
C 200	285 SKS	Class "A" Cement	15.75	4488.75
C 205	800#	CaCl2 3%	.63#	504.00
C 208	285#	PhenoSeal 1#/SK	1.30#	370.50
C 205	300#	CaCl2 Pad Ahead of Cement	.63#	189.00
C 108 A	13.40 Tons	Ton Mileage	M/C	1000.00
C 223	160#	Sand	.30#	48.00
			Sub Total	8102.25
		THANK You	Less 5%	426.11
		AA 7.5%	Sales Tax	420.02
			Total	8096.16

Authorization By Butch Drylie Title Well Site Consultant

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.