KOLAR Document ID: 1417150

Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31725
Name: Shelby Resources LLC
Address 1: 2717 Canal blvd
Address 2: Suite C
City: HAYS State: KS Zip: 67601 + ____
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: jeremy Schwartz
Purchaser:

Designate Type of Completion:
☐ New Well ☐ Re-Entry ☑ Workover
☑ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator: Shelby Resources
Well Name: Lee #1-25
Original Comp. Date: 1/23/2014 Original Total Depth: 3990
☐ Deepening ☑ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☑ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

05/04/2018 (Spud Date or Recompletion Date)
(Date Reached TD)
06/05/2018 (Completion Date or Recompletion Date)

API No.: 15-145-21728-00-01
Spot Description:
NW - SE - SE - SW Sec. 25 Twp. 21 S. R. 16 ☐ East ☑ West
538 Feet from ☐ North / ☑ South Line of Section
2129 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: (e.g. xx.xxxxx) , Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Pawnee
Lease Name: LEE Well #: 1-25
Field Name:
Producing Formation: Viola-Conglomerate
Elevation: Ground: 1970 Kelly Bushing: 1983
Total Vertical Depth: 3991 Plug Back Total Depth: 3880
Amount of Surface Pipe Set and Cemented at: 989 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 50000 ppm Fluid volume: 1200 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Shelby Resources
Lease Name: F-N Unit #1B License #: 31725
Quarter SE Sec. 13 Twp. 21 S. R. 16 ☐ East ☑ West
County: Pawnee Permit #: D-31556

AFFIDAVIT
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY
☐ **Confidentiality Requested**
Date: 07/31/2018
☐ **Confidential Release Date:** 07/30/2020
☐ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 08/07/2018

Operator Name: Shelby Resources LLC Lease Name: LEE Well #: 1-25

Sec. 25 Twp. 21 S. R. 16 ☐ East ☑ West County: Pawnee

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Geologist Report / Mud Logs	☐ Yes	☑ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☑ Sample

Name	Top	Datum
Heebner	3372	-1389
Lansing	3488	-1505
Base KC	3720	-1737
Viola	3788	-1805
Simp. Sand	3888	-1905
Arbuckle	3891	-1908
TD	3991	-2008

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	989	60/40 Poz	450	2% gel/ 3% cc
Production	7.875	5.5	15.5	3987	AA2	100	2% gel/ 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection: 06/05/2018	Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	45	0	5		

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☑ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	3896	3898
		3773	3804

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
4	3896	3898	CIBP Cast Iron Bridge Plug	3880	
2	3794	3804			1000 gal 15%
2	3773	3782			

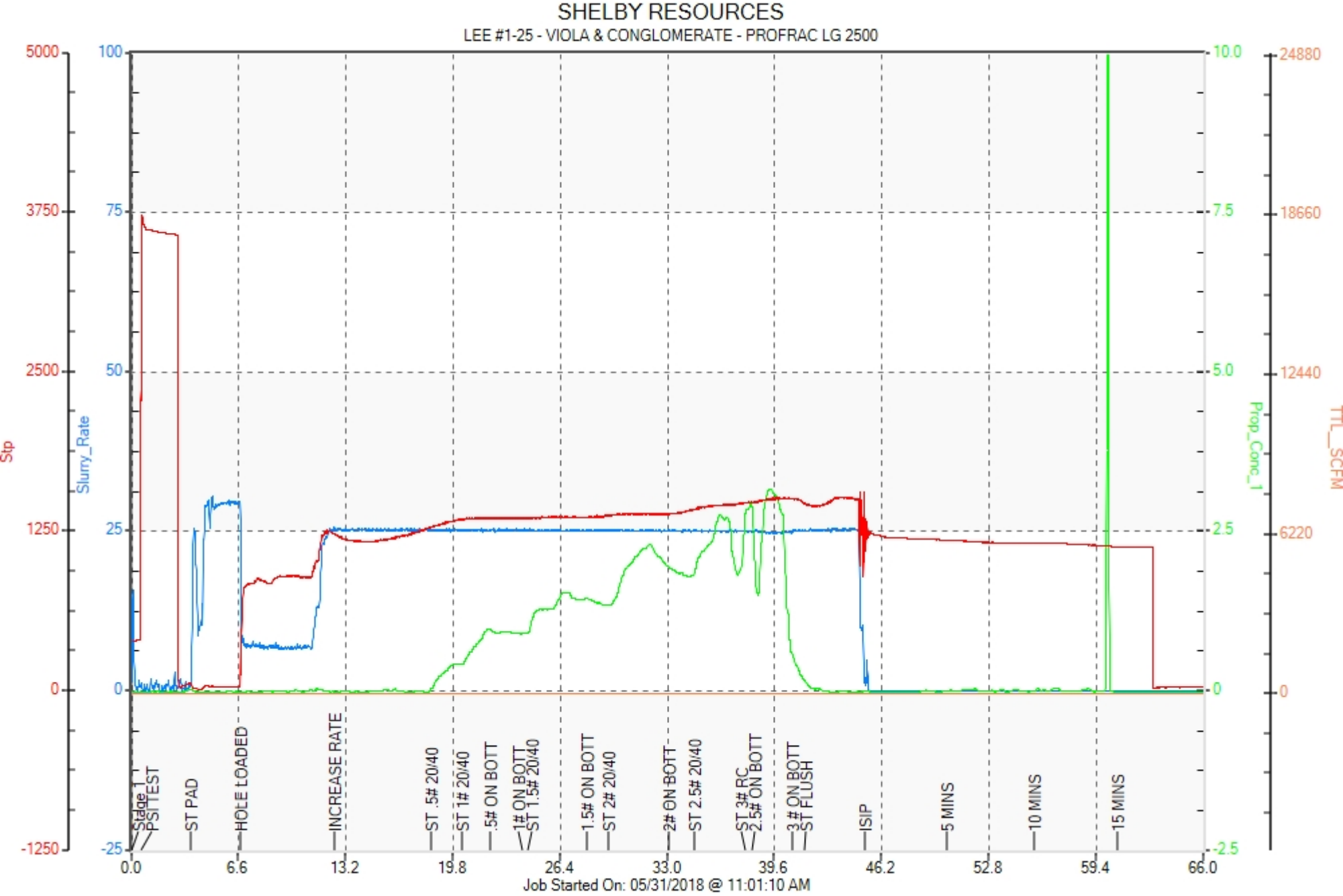
TUBING RECORD: Size: 2.387 Set At: 3763 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	LEE 1-25
Doc ID	1417150

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	24	989	60/40 Poz	450	2% gel/ 3% cc
Production	7.875	5.5	15.5	3987	AA2	100	2% gel/ 3% cc


SHELBY RESOURCES
LEE #1-25 - VIOLA & CONGLOMERATE - PROFRAC LG 2500
Stp
Slurry_Rate
Prop_Conc_1
TTL_SCFM
5000
3750
2500
1250
0
-1250
100
75
50
25
0
-25
10.0
7.5
5.0
2.5
0
-2.5
24880
18660
12440
6220
0
Stage 1
PSITEST
ST PAD
HOLE LOADED
INCREASE RATE
ST .5# 20/40
ST 1# 20/40
.5# ON BOTT
1# ON BOTT
ST 1.5# 20/40
1.5# ON BOTT
ST 2# 20/40
2# ON BOTT
ST 2.5# 20/40
ST 3# RC
2.5# ON BOTT
3.# ON BOTT
ST FLUSH
ISIP
5 MINS
10 MINS
15 MINS
0.0
6.6
13.2
19.8
26.4
33.0
39.6
46.2
52.8
59.4
66.0
Job Started On: 05/31/2018 @ 11:01:10 AM

Basic Energy Services
PO Box 8613
Pratt, KS 67124

2 Tank ProFrac LG 2500

Shelby Resources

Lee #1-25
Old Well
Pawnee, Kansas
March 7, 2018
Stage Number: 1
Fracture Treatment Viola & Conglomerate Formation

Prepared For:
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Prepared By:
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Comments

Well Info

Job Type:	! Tank ProFrac LG 2500	Total Rate:	25 bpm
Number of Stages:	1 Stages	Surface Treating PSI:	1211 psi
Bottom Hole PSI:	2084 psi	Pump Time:	0.65 hrs
Max PSI:	3000 psi	Total Gallons:	40,000 gals
Bottom Hole Temp:	117 deg. F	Total Clean BBLS:	952 bbls
Flush Volume Gals:	0 gals	Total Slurry BBLS:	991 bbls
Flush Volume BBLS:	0 bbls	Total Proppant:	36,000 lbs

Perforation Data

Top Perforation	Mid Perforation	Bottom Perforation
3774 ft	3789 ft	3804 ft

From	To	SPF	Per/Ft	Diameter	# Holes
3774	3782	3	8	0.47	24
3794	3804	3	10		30
				Total	54 holes

Casing Data						
Casing Size	Grade	bbl/ft	From	To	Total BBL	Total Gal
5.50" 14.00#	J-55	0.0244	0	3804	92.8176	3898.339
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Tubing Data						
Tubing Size	Grade	bbl/ft	From	To	Total BBL	Total Gal
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-

Proppant

Total Proppant	
20-40 Mesh Brown	30,000 lbs
Resin Coated, 16/30 Mesh	6,000 lbs

Fluid Specifications

Fluid Type #1

25 lb XL Gel #1	Rate	Pumped Volume 33,000 gals
BES: C-Plexgel 907 LEB	5.00	165 gals
BES: C-Plexsurf 580 ME	0.50	17 gals
BES: C-Plexbreak 134	1.00	33 gals
BES: C-Clayplex 650	0.50	17 gals
BES: C-Plexcide P5	0.10	3 gals
BES: C-Plexgel Breaker 10L	0.05	2 gals
BES: C-Plexbor 101	1.00	33 gals

Fluid Type #2

25 lb Linear Gel #1	Rate	Pumped Volume 3,800 gals
BES: C-Plexgel 907 LEB	5.00	19 gals
BES: C-Plexsurf 580 ME	0.50	2 gals
BES: C-Plexbreak 134	1.00	4 gals
BES: C-Clayplex 650	0.50	2 gals
BES: C-Plexcide P5	0.10	0 gals

Fluid Type #3

Fresh Water	Rate	Pumped Volume 3,200 gals
BES: C-Plexcide P5	0.10	1 gals

Fluid Type #10

Tank Bottoms	Rate	Pumped Volume 3,000 gals

Customer:	Shelby Resources
Date:	11/17/2017
Lease/Well Name:	Lee #1-25
Stage Number	1

Fluid Type	Clean (gals)	Slurry (bbls)
25 lb XL Gel #1	33,000	786
25 lb Linear Gel #1	3,800	90
Fresh Water	3,200	76
Total	40,000	952

Proppant	
20/40 Mesh Brown	30,000
Resin Coated, 16/30 Mesh	6,000
Total Proppant	36,000

Sub Stage	Fluid Type	Stage Name	Slurry Rate	Clean (gals)	Slurry (bbls)	PPG	Prop/ Stage	Time h:mm:ss
1	25 lb XL Gel #1	Pad	25	12,000	286			0:11:26
2	25 lb XL Gel #1	20/40 Mesh Brown	25	2,000	49	0.5	1,000	0:01:57
3	25 lb XL Gel #1	20/40 Mesh Brown	25	4,000	100	1	4,000	0:03:59
4	25 lb XL Gel #1	20/40 Mesh Brown	25	5,000	127	1.5	7,500	0:05:05
5	25 lb XL Gel #1	20/40 Mesh Brown	25	5,000	130	2	10,000	0:05:12
6	25 lb XL Gel #1	20/40 Mesh Brown	25	3,000	80	2.5	7,500	0:03:11
7	25 lb XL Gel #1	Resin Coated, 16/30 Mesh	25	2,000	54	3	6,000	0:02:10
8	25 lb Linear Gel #1	Flush	15	3,800	90			0:06:02
9	Fresh Water	Tank Bottoms		3,200	76			